

Set Items Description
S1 242539 DATABASE OR DATABANK OR DATA() (BASE? OR BANK? OR FILE? OR -
 REPOSITOR? OR WAREHOUSE?) OR DB OR RDB OR OODB OR ODBC OR DBMS
S2 2945 S1(7N) (AUDIOVISUAL? OR MULTIMEDIA? OR MULTI()MEDIA? OR PHO-
 TO? ? OR PHOTOGRAPH? OR CLIP? ? OR SCENE? ?)
S3 4806 S1(7N).(AVI OR WAV OR VIDEO? OR MOVIE? OR FILM? OR ANIMATIO-
 N? ? OR (DIGITAL? OR SERIES) (3N) (IMAGE? ? OR PICTURE? ?))
S4 985 S2:S3(5N) (SELECT? OR PICK??? OR CHOOSEN OR IDENTI-
 FY? OR IDENTIFIIE? ? OR SPECIF? OR DESIGNAT? OR INDICAT? OR DE-
 SIR???)
S5 26 S4 (7N) (DYNAMIC? OR AUTOMATIC? OR SMART? OR PERPETUAL? OR I-
 NTUIT? OR SELF OR SELF()DIRECT? OR INTELLIGENT?)
S6 10240286 REGULAT? OR CONTROL? OR MANAG? OR ORGANI? OR ARRANG? OR PR-
 OGRAM? OR MAINTAIN? OR PLAN??? ? OR PRIORIT?
S7 839116 S6 (5N) (TIME? ? OR TIMING OR TEMPORAL? OR CLOCK? OR DURATIO-
 N? OR EVENT? OR SCHEDUL? OR OCCASION? OR DAY? ? OR HOUR? ? OR
 MINUTE? ? OR SECOND? ? OR PERIOD?)
S8 88524 S7 (5N) (USED OR USING OR UTILIZ? OR UTILIS? OR APPLY? OR AP-
 PLIE? ? OR EMPLOY? OR EXECUT? OR PERFORM? OR ACTIVAT? OR IMPL-
 EMENT?)
S9 1 S5 AND S8
S10 2 S5 AND S7
S11 69 S4 AND S7
S12 1 S10 NOT S9
S13 67 S11 NOT (S9:S10 OR S12)
S14 1 S13 AND MEDIA() PROGRAMMING
S15 3 S13 AND S4(3N)MEDIA
S16 2 S15 NOT S14
S17 64 S13 NOT S14:S16
S18 57 S17 NOT (PR>1997 OR PR=1998:2006)
S19 45 S18 AND (TIMELINE? ? OR S7) AND (MANAG? OR ORGANI? OR ARRA-
 NG? OR PROGRAM? OR MAINTAIN? OR PLAN??? ? OR PRIORIT?)

File 350:Derwent WPIX 1963-2006/UD=200666

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File 347:JAPIO Dec 1976-2006/Jan (Updated 061009)

(c) 2006 JPO & JAPIO

9/69,K/1 (Item 1 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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0005614602

WPI ACC NO: 1991-223171/199130

XRPX Acc No: N1991-170338

Media storage and retrieval system - has table manager for storing equivalency relationship between media, and for determining which identify

media equivalent to other

Patent Assignee: AVID TECHN INC (AVID-N); AVID TECHNOLOGY INC (AVID-N);

PETERS E C (PETE-I); REBER S J (REBE-I)

Inventor: PETERS E C; REBER S J

Patent Family (17 patents, 18 countries)

Patent				Application			
Number	Kind	Date	Number	Kind	Date	Update	
WO 1991010321	A	19910711	WO 1990US7483	A	19901219	199130	B
AU 199170585	A	19910724				199143	E
EP 506870	A1	19921007	WO 1990US7483	A	19901219	199241	E
			EP 1991902814	A	19901219		
JP 5503179	W	19930527	WO 1990US7483	A	19901219	199326	E
			JP 1991502581	A	19901219		
US 5267351	A	19931130	US 1989455568	A	19891222	199349	E
AU 199467404	A	19940922	US 1992861862	A	19920617	199439	E
			AU 199467404	A	19940713		
EP 506870	A4	19941228	KR 1992701477	A	19920620	199544	E
CA 2071986	C	19960709	CA 2071986	A	19901219	199638	E
US 5584006	A	19961210	US 1989455568	A	19891222	199704	E
			US 1993159332	A	19931129		
AU 680906	B	19970814	US 1992861862	A	19920617	199741	E
			AU 199467404	A	19940713		
EP 506870	B1	19990519	WO 1990US7483	A	19901219	199924	E
			EP 1991902814	A	19901219		
DE 69033117	E	19990624	DE 69033117	A	19901219	199931	E
			WO 1990US7483	A	19901219		
			EP 1991902814	A	19901219		
US 6061758	A	20000509	US 1989455568	A	19891222	200030	E
			US 1993159332	A	19931129		
			US 1996742431	A	19961030		
			US 1997802197	A	19970214		
JP 3103372	B2	20001030	WO 1990US7483	A	19901219	200057	E
			JP 1991502581	A	19901219		
US 6636869	B1	20031021	US 1989455568	A	19891222	200370	E
			US 1993159332	A	19931129		
			US 1996742431	A	19961030		
			US 1997802197	A	19970214		
			US 2000565968	A	20000505		
US 20040088299	A1	20040506	US 1989455568	A	19891222	200430	E
			US 1993159332	A	19931129		
			US 1996742431	A	19961030		
			US 1997802197	A	19970214		
			US 2000565968	A	20000505		
			US 2003688547	A	20031017		
US 6813622	B2	20041102	US 1989455568	A	19891222	200472	E
			US 1993159332	A	19931129		

US 1996742431	A 19961030
US 1997802197	A 19970214
US 2000565968	A 20000505
US 2003688547	A 20031017

Priority Applications (no., kind, date): US 2003688547 A 20031017; US 2000565968 A 20000505; US 1997802197 A 19970214; US 1996742431 A 19961030; US 1993159332 A 19931129; US 1989455568 A 19891222

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
WO 1991010321	A	EN			

National Designated States,Original: AU CA JP KR MC

Regional Designated States,Original: AT BE CH DE DK ES FR GB GR IT LU NL

SE

EP 506870	A1	EN	21	1	PCT Application WO 1990US7483 Based on OPI patent WO 1991010321
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Regional Designated States,Original: AT BE CH DE DK ES FR GB IT LI LU NL

SE

JP 5503179	W	JA			PCT Application WO 1990US7483 Based on OPI patent WO 1991010321
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US 5267351	A	EN	10	2	
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AU 199467404	A	EN			Division of application US
1992861862					

EP 506870	A4	EN			
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CA 2071986	C	EN			
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US 5584006	A	EN	10	2	Continuation of application US
1989455568					

AU 680906	B	EN			Continuation of patent US 5267351
1992861862					Division of application US

Previously issued patent AU
9467404

EP 506870	B1	EN			PCT Application WO 1990US7483 Based on OPI patent WO 1991010321
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Regional Designated States,Original: AT BE CH DE DK ES FR GB IT LI LU NL

SE

DE 69033117	E	DE			PCT Application WO 1990US7483 Application EP 1991902814
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					Based on OPI patent EP 506870
					Based on OPI patent WO 1991010321

US 6061758	A	EN			Continuation of application US
1989455568					

1993159332					Continuation of application US
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1996742431					Continuation of application US
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JP 3103372	B2	JA	84		Continuation of patent US 5267351 Continuation of patent US 5584006
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					PCT Application WO 1990US7483
					Previously issued patent JP

05503179

US 6636869 1989455568	B1 EN	Based on OPI patent WO 1991010321 Continuation of application US
1993159332		Continuation of application US
1996742431		Continuation of application US
1997802197		Continuation of application US
		Continuation of patent US 5267351
		Continuation of patent US 5584006
		Continuation of patent US 6061758
US 2004008299 1989455568	A1 EN	Continuation of application US
1993159332		Continuation of application US
1996742431		Continuation of application US
1997802197		Continuation of application US
2000565968		Continuation of application US
		Continuation of patent US 5267351
		Continuation of patent US 5584006
		Continuation of patent US 6061758
US 6813622 1989455568	B2 EN	Continuation of patent US 6636869 Continuation of application US
1993159332		Continuation of application US
1996742431		Continuation of application US
1997802197		Continuation of application US
2000565968		Continuation of application US
		Continuation of patent US 5267351
		Continuation of patent US 5584006
		Continuation of patent US 6061758
		Continuation of patent US 6636869

Alerting Abstract WO A

The system comprises a database manager for retaining references to available media where each such media has a unique source identifier. A table manager stores equivalency relationships between media, and determines which unique source identifiers identify media equivalent to others.

Tools invoke the table manager and accesses the database to determine the media fulfilling a request for access to the media from a unique source identifier and specific range on the source specified by a user.

USE/ADVANTAGE - Media need only be digitised once. Actual location of media in storage is free to be changed. Clips requesting media from one source may receive data from different source. @ (210pp Dwg.No.1/1) @

Equivalent Alerting Abstract US A

The method involves reading media files from a media file database, located on a storage device, into a working memory. In response to reading the media files, a table of relations identifying media equiv. to others in at least one common subsection is built in the working memory, by a source identifier that identifies a media source and a segment of the media source identified by a time range as indicated by lengths, frames, time codes or film edge numbers, depending on the type of indexing used on the source media. A request for an operation on a part of a specified one of the media files is accepted. The part is specified in the request by a start time and an end time of the specified media file.

The requested media file is located in the table of relations and, if the requested media segment is not obtd., a media file equiv. to the requested media file is located that satisfies the request. A handle is returned to the located media file. The media files and the table of relations are written from the working memory to the media file database on the storage device.

ADVANTAGE - Media need only be digitised once. Duplicate copies of media are not needed or created.

Title Terms/Index Terms/Additional Words: MEDIUM; STORAGE; RETRIEVAL; SYSTEM; TABLE; MANAGE; RELATED; DETERMINE; IDENTIFY; EQUIVALENT

Class Codes

International Classification (Main): G06F-012/06, G06F-015/40, G06F-017/30,
G11B-027/02, H04N-005/76, H04N-005/781
(Additional/Secondary): G11B-027/10, H04N-005/91, H04N-009/80

File Segment: EPI;
DWPI Class: T01; W04
Manual Codes (EPI/S-X): T01-J05B; W04-K05

Original Publication Data by Authority

1Claims:

...identifiers of sources of media data to one or more of the plurality of media data files ; and /br means for dynamically linking a clip identifier to a source of media data by retrieving media data corresponding to the clip identifier...
...What is claimed is: b 1 /b . A computer- implemented method for managing time -based media data, comprising:storing first media data,

of
a first media data type, in...

...identifier of a source of the media data to be used for the clip;
and
means for dynamically linking one of the plurality **of media** data
files
to each clip using the identifier of the media data for the clip
when
the media data for the...

...What is claimed is: 1 . A computer- **implemented method** for
managing
time-based media data, comprising:storing first media data, of a first
media...

12/69,K/1 (Item 1 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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0008595354 - Drawing available

WPI ACC NO: 1998-130911/199812

Related WPI Acc No: 1998-131015

XRPX Acc No: N1998-103271

Graphical interface for computer-assisted motion video editing system -
has

selectable interface with video region for previewing motion video
program

being edited and video region in each selectable interfaces is at
identical

position within single window interface

Patent Assignee: AVID TECHNOLOGY INC (AVID-N); CAVERO-BELAUNDE I M
(CAVE-I); FOREMAN K J (FORE-I); GRANGER B D (GRAN-I); LEBLANC D N
(LEBL-I)

Inventor: CAVERO-BELAUNDE I M; FOREMAN K J; GRANGER B D; KLINE M H;
LEBLANC

D N; SPORER M; ZAWOJSKI P

Patent Family (15 patents, 20 countries)

Patent			Application				
Number	Kind	Date	Number	Kind	Date	Update	
WO 1998005034	A1	19980205	WO 1997US13080	A	19970725	199812	B
AU 199738136	A	19980220	AU 199738136	A	19970725	199828	E
US 5883670	A	19990316	US 1996691985	A	19960802	199918	E
EP 916136	A1	19990519	EP 1997935117	A	19970725	199924	E
			WO 1997US13080	A	19970725		
US 6091778	A	20000718	US 1996691985	A	19960802	200037	E
			US 1998211057	A	19981214		
JP 2000516012	W	20001128	WO 1997US13080	A	19970725	200065	E
			JP 1998509001	A	19970725		
US 20010040592	A1	20011115	US 1996687926	A	19960729	200172	E
			US 2001911145	A	20010723		
US 6469711	B2	20021022	US 1996687926	A	19960729	200273	E
			US 2001911145	A	20010723		
EP 916136	B1	20030326	EP 1997935117	A	19970725	200323	E
			WO 1997US13080	A	19970725		
			EP 200228761	A	19970725		
DE 69720221	E	20030430	DE 69720221	A	19970725	200336	E
			EP 1997935117	A	19970725		
			WO 1997US13080	A	19970725		
EP 1326248	A2	20030709	EP 1997935117	A	19970725	200345	E
			EP 200228761	A	19970725		
US 6628303	B1	20030930	US 1996687926	A	19960729	200367	E
US 20040056882	A1	20040325	US 1996687926	A	19960729	200422	E
			US 2003674033	A	20030929		
US 20040066395	A1	20040408	US 1996687926	A	19960729	200426	E
			US 2003673663	A	20030929		
US 20040071441	A1	20040415	US 1996687926	A	19960729	200426	E
			US 2003673902	A	20030929		

Priority Applications (no., kind, date): US 2003674033 A 20030929; US 2003673902 A 20030929; US 2003673663 A 20030929; US 2001911145 A 20010723; US 1998211057 A 19981214; US 1996687926 A 19960729; US

1996691985 A 19960802

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
WO 1998005034	A1	EN	40	16	
National Designated States,Original: AU CA CN JP					
Regional Designated States,Original: AT BE CH DE DK ES FI FR GB GR IE					
IT					
LU MC NL PT SE					
AU 199738136	A	EN			Based on OPI patent WO 1998005034
EP 916136	A1	EN			PCT Application WO 1997US13080
Based on OPI patent WO 1998005034					
Regional Designated States,Original: DE FR GB IT NL					
US 6091778	A	EN			Continuation of application US
1996691985					
Continuation of patent US 5883670					
JP 2000516012	W	JA	67		PCT Application WO 1997US13080
Based on OPI patent WO 1998005034					
US 20010040592	A1	EN			Division of application US
1996687926					
Division of application US					
US 6469711	B2	EN			
1996687926					
EP 916136	B1	EN			PCT Application WO 1997US13080
Related to application EP					
200228761					
Based on OPI patent WO 1998005034					
Regional Designated States,Original: DE FR GB IT NL					
DE 69720221	E	DE			Application EP 1997935117
PCT Application WO 1997US13080					
Based on OPI patent EP 916136					
Based on OPI patent WO 1998005034					
EP 1326248	A2	EN			Division of application EP
1997935117					
Division of patent EP 916136					
Regional Designated States,Original: DE FR GB IT NL					
US 20040056882	A1	EN			Continuation of application US
1996687926					
Continuation of patent US 6628303					
US 20040066395	A1	EN			Continuation of application US
1996687926					
Continuation of patent US 6628303					
US 20040071441	A1	EN			Continuation of application US
1996687926					
Continuation of patent US 6628303					

Alerting Abstract WO A1

The device includes a single window interface with a number of alternatively selectable interfaces. A first of the number of selectable interfaces is an interface for making capturing commands available to a user for receiving motion video information to be edited. A second of the number of selectable interfaces is an interface for making editing commands

available to a user for editing the received motion video information.

A

third of the number of selectable interfaces is an interface for making playback commands available to a user for outputting the edited motion video information to an external device. A fourth of the number of selectable interfaces includes an interface for making storyboarding commands available to a user for preparing a plan describing a motion video program to be edited. Each selectable interface has a video region for previewing the motion video program being edited and the video region in each of the selectable interfaces is at an identical position within the single window interface.

ADVANTAGE - Provides simplified interface that directs users through process of editing video program.

Title Terms/Index Terms/Additional Words: GRAPHICAL; INTERFACE; COMPUTER;

ASSIST; MOTION; VIDEO; EDIT; SYSTEM; SELECT; REGION; PREVIEW; PROGRAM;

IDENTICAL; POSITION; SINGLE; WINDOW

Class Codes

International Classification (Main): G06F-003/00, G09G-005/00, G11B-027/034

, H04N-005/76, H04N-007/12

(Additional/Secondary): G06F-017/30, G06F-003/033, G06F-009/44, G11B-027/00, G11B-027/34, G11B-027/36, H04N-011/02, H04N-011/04, H04N-009/475

File Segment: EngPI; EPI;

DWPI Class: T01; W04; P85

Manual Codes (EPI/S-X): T01-J10C5; T01-J12B; W04-H05E

Original Publication Data by Authority

Claims:

...particular clip of captured motion video; and a capture module (208) having a first input for receiving the computerized plan defined by the user, a second input for controlling recording of motion video information, and a third input for receiving...

...of the motion picture, wherein each clip has an initial duration defined by the description of the motion picture; receiving input from a user indicating instructions to associate motion video information stored in computer data files with clips in the automatically generated representation of the motion picture...

19/69,K/21 (Item 21 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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0011223425 - Drawing available

WPI ACC NO: 2002-162678/

XRPX Acc No: N2002-124064

Perspective switching method for producing user interactive movie , involves displaying images stored in database storage portions, selectively , in response to user instruction

Patent Assignee: ROACH R G (ROAC-I)

Inventor: ROACH R G

Patent Family (1 patents, 1 countries)

Patent	Application					
Number	Kind	Date	Number	Kind	Date	Update
US 6243085	B1	20010605	US 1993173431	A	19931227	200221 B

Priority Applications (no., kind, date): US 1993173431 A 19931227

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 6243085	B1	EN	8	2	

Alerting Abstract US B1

NOVELTY - A switching box is operably coupled to television set and digital database storage device (2) that is divided into two storage portions containing chain of events perceived from different view points.

The switching box selectively outputs image stored in database storage portions without interruption, in response to instruction received from user.

USE - For producing user interactive movie.

ADVANTAGE - Continuity of chain of **events** is **maintained** , when television is switched from one channel to another channel.

DESCRIPTION OF DRAWINGS - The figure shows the playback system.

2 Database storage device

Title Terms/Index Terms/Additional Words: PERSPECTIVE; SWITCH; METHOD; PRODUCE; USER; INTERACT; MOVIE; DISPLAY; IMAGE; STORAGE; DATABASE; PORTION; SELECT; RESPOND; INSTRUCTION

Class Codes

International Classification (Main): G06F-015/00

(Additional/Secondary): H04N-005/445

File Segment: EPI;

DWPI Class: T01; W03; W04

Manual Codes (EPI/S-X): T01-J05B2B; T01-J05B4F; W03-A16; W04-B10; W04-E04A

Perspective switching method for producing user interactive movie , involves displaying images stored in database storage portions, selectively , in response to user instruction

Alerting Abstract ...ADVANTAGE - Continuity of chain of **events** is **maintained** , when television is switched from one channel to another channel...

Original Publication Data by Authority

Claims:

...box, responsively to input from the user, to switch from the outputting of the visual **images** of the **series** of events of the first **database** portion to outputting of the visual **images** of the **series** of events of the second **database** portion at any **selected** event in the series of events without interruption of the sequence of the events; said...

19/69,K/30 (Item 30 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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0009624566 - Drawing available

WPI ACC NO: 1999-575451/

Related WPI Acc No: 1996-359724

XRPX Acc No: N1999-424610

Projection image obtaining procedure in video plant - involves supplying

various still picture as video image data based on indication output by controller

Patent Assignee: GOTO KOGAKU KENKYUSHO KK (GOTO-N)

Inventor: KASAHARA M; OMORI M

Patent Family (1 patents, 1 countries)

Patent	Application
Number	Kind Date Number Kind Date Update
JP 11249549	A 19990917 JP 1994334446 A 19941219 199949 B
	JP 1998324412 A 19941219

Priority Applications (no., kind, date): JP 1998324412 A 19941219; JP 1994334446 A 19941219

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
JP 11249549	A	JA	14	19	Division of application JP 1994334446

Alerting Abstract JP A

NOVELTY - A controller (2) analyzes composing information based on which indication is output to image supply unit (3). Then, the supply unit supplies various still picture images as video image data on projection image.

USE - For video plants , video pavilion in event hall, planetarium.

ADVANTAGE - Simplifies implementation, since need of large capacity and

super high speed, large sized computers are avoided. Shortens image production time, since huge variety of image is produced with combination

of images. DESCRIPTION OF DRAWING(S) - The figure shows the block diagram

of image projection system. (2) Controller; (3) Image supply unit.

Title Terms/Index Terms/Additional Words: PROJECT; IMAGE; OBTAIN; PROCEDURE

; VIDEO; PLANT ; SUPPLY; VARIOUS; STILL; PICTURE; DATA; BASED; INDICATE; OUTPUT; CONTROL

Class Codes

International Classification (Main): G09B-027/00

File Segment: EngPI; ;

DWPI Class: P85

Projection image obtaining procedure in video plant - ...

**...involves supplying various still picture as video image data
based
on indication output by controller**

**Alerting Abstract ...USE - For video plants , video pavilion in
event
hall, planetarium...**

Title Terms.../Index Terms/Additional Words: PLANT ;

19/69,K/31 (Item 31 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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0009205581 - Drawing available

WPI ACC NO: 1999-130591/199911

Related WPI Acc No: 2003-634495; 2003-801788

XRPX Acc No: N1999-095023

Interactive entertainment system e.g. ITV system - has server which retrieves and transmits viewer configured customized program list to user, to enable user to order video programs

Patent Assignee: MICROSOFT CORP (MICT)

Inventor: DUNN M W; SHOFF D J

Patent Family (1 patents, 1 countries)

Patent Application

Number	Kind	Date	Number	Kind	Date	Update
US 5861906	A	19990119	US 1995437096	A	19950505	199911 B

Priority Applications (no., kind, date): US 1995437096 A 19950505

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 5861906	A	EN	21	13	

Alerting Abstract US A

NOVELTY - A database (46) in server, stores list of video content programs correlated with a list of viewers, and using which individual viewer is provided with customized list of preferred video programs.

When

server receives message from VOD user interface unit, the viewer configured

customized list is retrieved from database and transmitted to user. The user can review their customized list for ordering video content **program**

in customized list. DETAILED DESCRIPTION - Each viewer is assigned with unique viewer ID and each **program** is assigned with unique **program** ID. A

join table correlates viewer ID with **program** ID and the server queries

the database to obtain **program** IDs of programs in customized list. An INDEPENDENT CLAIM is also included for interactive entertainment network

operating method.

USE - E.g. ITV system with VOD application in home.

ADVANTAGE - Enables user to easily **identify movies** of interest. Filters entire **database** into small groups of similar **program** based on intuitive criteria. DESCRIPTION OF DRAWING(S) - The figure shows block diagram of interactive entertainment network system. (46) Database.

Title Terms/Index Terms/Additional Words: INTERACT; ENTERTAINMENT; SYSTEM;

ITV; SERVE; RETRIEVAL; TRANSMIT; VIEW; CONFIGURATION; CUSTOMISATION; **PROGRAM**; LIST; USER; ENABLE; ORDER; VIDEO

Class Codes

International Classification (Main): H04N-007/10

(Additional/Secondary): H04N-007/16

File Segment: EPI;
DWPI Class: W02; W03

Manual Codes (EPI/S-X): W02-F10N3; W03-A02C5A; W03-A16C3C

...has server which retrieves and transmits viewer configured
customized
program list to user, to enable user to order video programs

Alerting Abstract ...and transmitted to user. The user can review
their
customized list for ordering video content **program** in customized
list.

DETAILED DESCRIPTION - Each viewer is assigned with unique viewer ID
and
each **program** is assigned with unique **program** ID. A join table
correlates viewer ID with **program** ID and the server queries the
database
to obtain **program** IDs of programs in customized list. An INDEPENDENT
CLAIM is also included for interactive entertainment...

...**ADVANTAGE** - Enables user to easily **identify movies** of interest.
Filters entire **database** into small groups of similar **program** based
on
intuitive criteria. **DESCRIPTION OF DRAWING(S)** - The figure shows block
diagram of interactive...

Title Terms.../Index Terms/Additional Words: **PROGRAM** ;

Original Publication Data by Authority

Original Abstracts:

...so forth. Viewers are permitted to select criteria for grouping
various
video content programs into **manageable** sets. Lists of programs are
provided in one or more scrollable lists, the scrolling rates of which
are
programmable. Once grouped, previews for the set of programs are
displayed. The VOD application allows the...

...of interest to a customized list. The viewer can retrieve the
customized
list at any **time**. If the viewer orders a **program** from the
customized
list, the **program** remains available to the viewer for a rental period
(which is adjustable). Upon expiration of the rental **period**, however,
the
program is no longer readily accessible until ordered again.

19/69,K/32 (Item 32 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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0008841794 - Drawing available

WPI ACC NO: 1998-388363/199833

XRPX Acc No: N1998-302772

Sprite-based video coding system - in which sprite object uses dominant component of scene motion, due to e.g. camera motion or zoom, to distinguish background images from foreground images

Patent Assignee: SHARP KK (SHAF); SHARP LAB AMERICA (SHAF); SHARP LAB AMERICA INC (SHAF)

Inventor: CRINON R J; CRINON R J A; SEZAN M I

Patent Family (8 patents, 21 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
WO 1998029834	A1	19980709	WO 1997JP4814	A	19971225	199833 B
EP 1042736	A1	20001011	EP 1997950389	A	19971225	200052 E
			WO 1997JP4814	A	19971225	
US 6205260	B1	20010320	US 199634558	P	19961230	200118 E
			US 1997999103	A	19971229	
JP 2001507541	W	20010605	WO 1997JP4814	A	19971225	200138 E
			JP 1998529839	A	19971225	
US 6259828	B1	20010710	US 199634558	P	19961230	200141 E
			US 1997999103	A	19971229	
			US 2000493410	A	20000128	
EP 1042736	B1	20030924	EP 1997950389	A	19971225	200363 E
			WO 1997JP4814	A	19971225	
DE 69725186	E	20031030	DE 69725186	A	19971225	200379 E
			EP 1997950389	A	19971225	
			WO 1997JP4814	A	19971225	
JP 2004260840	A	20040916	JP 1998529839	A	19971225	200461 E
			JP 200495933	A	20040329	

Priority Applications (no., kind, date): US 2000493410 A 20000128; US 1997999103 A 19971229; US 199634558 P 19961230

Patent Details

Number Kind Lan Pg Dwg Filing Notes

WO 1998029834 A1 EN 20 6

National Designated States,Original: CN JP KR SG

Regional Designated States,Original: AT BE CH DE DK ES FI FR GB GR IE IT

LU MC NL PT SE

EP 1042736 A1 EN PCT Application WO 1997JP4814
Based on OPI patent WO 1998029834

Regional Designated States,Original: DE FR GB

US 6205260 B1 EN Related to Provisional US
199634558

JP 2001507541 W JA 28 PCT Application WO 1997JP4814
Based on OPI patent WO 1998029834

US 6259828 B1 EN Related to Provisional US
199634558

Division of application US
1997999103

EP 1042736 B1 EN PCT Application WO 1997JP4814
Based on OPI patent WO 1998029834
Regional Designated States, Original: DE FR GB
DE 69725186 E DE Application EP 1997950389
PCT Application WO 1997JP4814
Based on OPI patent EP 1042736
Based on OPI patent WO 1998029834
JP 2004260840 A JA 13 Division of application JP
1998529839

Alerting Abstract WO A1

The sprite-based coding system includes an encoder and decoder in which sprite-building is automatic and segmentation of the sprite object is automatic and built into the sprite building together with the coding process.

The sprite object is distinguished from the rest of the video objects on the basis of its motion, and therefore uses dominant motion, to distinguish background images from foreground images. The automatic segmentation integrated in the sprite-based coding system identifies the shape and texture of the sprite object.

USE - Video object-based coding framework e.g. MPEG-4, in which shape and texture of individual objects are coded separately, e.g. video conferencing with multiple cameras.

ADVANTAGE - Sprite-building is automatic and segmentation of sprite object is automatic and integrated into sprite building and coding process.

Title Terms/Index Terms/Additional Words: SPRITE; BASED; VIDEO; CODE; SYSTEM; OBJECT; DOMINANT; COMPONENT; SCENE; MOTION; CAMERA; ZOOM; DISTINGUISH; BACKGROUND; IMAGE; FOREGROUND

Class Codes

International Classification (Main): G06K-009/36, G06K-009/54, G06T-009/00,
H04N-007/32

(Additional/Secondary): G06T-011/180, H04N-001/387, H04N-009/74

File Segment: EPI;
DWPI Class: T01; W04

Manual Codes (EPI/S-X): T01-J10D; W04-P01A4

Original Publication Data by Authority

Claims:

...plusieurs images, comprenant: la formation d'une mosaique a partir d'une premiere image; la **segmentation** d'une seconde image en **regions** d'arrière-plan et **regions** d'avant-plan par identification des variations entre la seconde image courbee et la mosaique; et la mise a jour de la mosaique uniquement- avec **les** regions d'arrière- plan segmentees de

la seconde image, le procede comprenant:a) l'identification de regions ayant fait l'objet de variations entre la premiere et la seconde image;b) la segmentation **de** regions d' **arrière** -plan de la seconde image dans laquelle des regions associees d'une mosaique presente sont...

...variation des regions associees de la premiere et de la seconde image;c)
la segmentation **de** regions d' **arrière** -plan de la seconde image dans laquelle aucune variation n'a ete identifiee entre la seconde image et les regions associees de la mosaique presente;d) la segmentation **de** regions d' **avant** -plan de la seconde image dans laquelle sont apparues des variations entre la seconde image et les regions associees de la mosaique presente;e) la segmentation **de** regions d' **avant** -plan de la seconde image dans laquelle ont ete identifiees des variations entre la premiere...
...et dans laquelle des regions associees de la mosaique presente sont inconnues; etf) la **segmentation** de regions **d**' **avant-plan** de la seconde image dans laquelle ont ete identifiees des regions qui n...

...feature extractor for extracting features of the video clip from the mosaic, and for identifying **representative ones** of the extracted **features** ; a video database for storing **and** organizing video bitstreams and their associated identified representative features; and a search engine for searching...

19/69,K/33 (Item 33 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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0007778817 - Drawing available

WPI ACC NO: 1996-404962/199641

XRPX Acc No: N1996-341150

Data transmission system for program data e.g. movie software - has control unit which controls several recording-and-reproducing devices to

output reproduction data from several reproduction units corresp. to access

timing from external

Patent Assignee: SONY CORP (SONY)

Inventor: HARAGUCHI H

Patent Family (4 patents, 2 countries)

Patent				Application			
Number	Kind	Date	Number	Kind	Date	Update	
JP 7093953	A	19950407	JP 1994156163	A	19940707	199641	B
US 5721803	A	19980224	US 1994280353	A	19940726	199815	E
			US 1996774899	A	19961227		
US 5974217	A	19991026	US 1994280353	A	19940726	199952	E
			US 1996774899	A	19961227		
			US 1997932074	A	19970917		
JP 3456018	B2	20031014	JP 1994156163	A	19940707	200369	E

Priority Applications (no., kind, date): JP 1994156163 A 19940707; JP 1993183977 A 19930726

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes	
JP 7093953	A	JA	32	13		
US 5721803	A	EN	23	13	Continuation of application	US
1994280353						
US 5974217	A	EN			Continuation of application	US
1994280353						
1996774899					Continuation of application	US
JP 3456018	B2	JA	26		Continuation of patent US 5721803	
07093953					Previously issued patent JP,	

Alerting Abstract JP A

The system has a reproduction unit provided in a library device, which automatically regenerates several first recording medium. A recording unit records the reproduction data from the library device to a second recording medium enabled to a random access. Several reproduction unit comprised in several recording-and-reproducing devices respectively generates a recording data from the second recording medium.

An output signal from several recording-and-reproducing devices is supplied alternatively to one or several data supply unit. A control

unit
is provided which controls several recording-and-reproducing devices to
output the reproduction data from several reproduction units corresp.
to an
access timing from an external.

ADVANTAGE - Sequentially generates reproduction data from several
reproduction units according to access timing; enables to reduce
number-of-sets of magneto optical disc and number of same **program**
counters.

Title Terms/Index Terms/Additional Words: DATA; TRANSMISSION; SYSTEM;
PROGRAM ; MOVIE; SOFTWARE; CONTROL; UNIT; RECORD; REPRODUCE; DEVICE;
OUTPUT; CORRESPOND; ACCESS; TIME; EXTERNAL

Class Codes

International Classification (Main): G11B-027/034, G11B-027/10, H04N-
009/89
(Additional/Secondary): G11B-015/68, G11B-019/02, H04N-005/78, H04N-
005/91
, H04N-005/937, H04N-007/10, H04N-007/14

File Segment: EPI;
DWPI Class: W02; W04
Manual Codes (EPI/S-X): W02-F05A3C; W04-J05; W04-K05
Data transmission system for program data e.g. movie software...

Alerting Abstract ...timing; enables to reduce number-of-sets of
magneto
optical disc and number of same **program** counters.

Title Terms.../Index Terms/Additional Words: **PROGRAM** ;

Original Publication Data by Authority

Original Abstracts:

A VOD delivery system for delivering **program** data such as of movies
or
the like on a real-time basis which are...

...A VOD delivery system for delivering **program** data such as of
movies or
the like on a real-time basis which are...

Claims:

...and a plurality of first playback means for reproducing a first
plurality of encoded video **program** data signal stored on said
plurality
of first recording media;memory means, coupled to said library, for
storing
the video **program** data signals reproduced from said library, said
memory
means comprising:a plurality of second recording media;recording means
for
recording the video **program** data signals reproduced from said library
to
at least one of said plurality of second recording media; anda
plurality of

second playback means for reproducing a second plurality of **video** program data signals from said plurality of second recording **media**; control means **for** controlling said library and for controlling said memory means to transmit **said** second plurality of **video** program data signals as a function of an external **access** timing, **said** control means comprising: reception means for receiving **information** indicative of a **video** program requested for **playback**; database means for determining whether the **requested** **video** program is recorded on at least one of said plurality of second recording media; search and **playback** control means for searching for an idle second playback means operable with **the** second recording medium having the **requested** program recorded thereon, and for reproducing the requested **video** program with said **idle** second playback means; anddubbing means for dubbing the **requested** **video** program onto another of said plurality of second recording media if said second recording medium having the **requested** **video** program thereon has **no** idle second playback means operable therewith...

...of first recording media and a plurality of first playback means for reproducing a first **plurality** of program data signals stored on said plurality of first recording media; memory means, coupled to said library, for **storing** the program data signals reproduced from said library, said memory means comprising: a plurality of second recording media; recording means for **recording** the program data signals reproduced from said library to at least one of said plurality of second recording media; and a plurality of second playback means **for** reproducing a **second** plurality of program data signals from **said** plurality of second recording media; control means for controlling said library and for controlling said memory means to transmit said **second** plurality of program data signals as a function of an **access** timing, said control means comprising: reception means for receiving information **indicative** of a program requested for playback; database means for determining whether the requested program is recorded on at least one of **said** plurality of second recording media; and search and playback control means for searching for an idle second playback means operable with the second recording **medium** having the requested program recorded thereon, and **for** reproducing the requested **program** with said idle second playback means; anddubbing **means** for dubbing the requested program onto another of said plurality of second recording media if said second **recording** medium having the requested **program** thereon has no idle second playback means operable therewith.

19/69,K/34 (Item 34 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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0007691791

WPI ACC NO: 1996-313754/

XRPX Acc No: N1996-263920

Scene reference method for scene saved in database - by searching appearance order time acquired for scene reference part, and same specified scene from input device in database

Patent Assignee: TOSHIBA KK (TOKE)

Inventor: MORI T

Patent Family (1 patents, 1 countries)

Patent Application

Number	Kind	Date	Number	Kind	Date	Update
JP 8137900	A	19960531	JP 1994274623	A	19941109	199632 B

Priority Applications (no., kind, date): JP 1994274623 A 19941109

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
JP 8137900	A	JA	13	12	

Alerting Abstract JP A

The method involves specifying a scene that combines several media spatially and in time in an input device (1). The media of the specified scene for reference that inputs in a media specification unit (24), is set as media management unit (32). A time specification unit (22) sets a time-base information on the specified media as a time-base management unit (33).

An example scene reference part (51) with a media set as the media management unit from the time-base information set as the time-base management unit, acquires an appearance order time. The specified scene from the input device and the appearance order time are searched from a database (6). The reference result is shown in a display unit (4) by a reference result display (52).

ADVANTAGE - Enables desired scene to be searched easily and quickly from scenes filed in database even if file name is not known since various media and appearance time relation information can be referred in database.

Title Terms/Index Terms/Additional Words: SCENE; REFERENCE; METHOD; SAVE; DATABASE; SEARCH; APPEAR; ORDER; TIME; ACQUIRE; PART; SPECIFIED; INPUT; DEVICE

Class Codes

International Classification (Main): G06F-017/30

File Segment: EPI;
DWPI Class: T01
Manual Codes (EPI/S-X): T01-J05B3; T01-J09; T01-J10

...by searching appearance order time acquired for scene reference part,
and same specified scene from input device in database

Alerting Abstract ...scene for reference that inputs in a media specification unit (24), is set as media **management** unit (32). A **time** specification unit (22) sets a time-base information on the specified media as a **time -base management** unit (33...)

...An example scene reference part (51) with a media set as the media **management** unit from the **time -base** information set as the **time -base management** unit, acquires an appearance order **time**. The specified scene from the input device and the appearance order time are searched from...

19/69,K/35 (Item 35 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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0006987478 - Drawing available

WPI ACC NO: 1994-342225/199442

Related WPI Acc No: 1994-342224; 1996-300072; 1998-531179; 2003-787532

XRPX Acc No: N1994-268411

Media pipeline circuit for processing digital still image sequences - has

two compression-decompression channels for processing still images sequences for feeding to blender unit

Patent Assignee: AVID TECHNOLOGY INC (AVID-N)

Inventor: CACCIATORE R; CACCIATORE R D; KURTZ J; KURTZE J; KURTZE J D; PETERS E C; WALSH J; ZAWOJSKI P

Patent Family (19 patents, 21 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
WO 1994024815	A1	19941027	WO 1994US4253	A	19940418	199442 B
AU 199467989	A	19941108	AU 199467989	A	19940418	199507 E
EP 705517	A1	19960410	EP 1994914827	A	19940418	199619 E
			WO 1994US4253	A	19940418	
JP 9501545	W	19970210	JP 1994523526	A	19940418	199716 E
			WO 1994US4253	A	19940418	
US 5644364	A	19970701	WO 1994US4253	A	19940418	199732 E
			US 1995347394	A	19950306	
AU 694119	B	19980716	AU 199467989	A	19940418	199840 E
AU 199889366	A	19990114	AU 199467989	A	19940418	199914 E
			AU 199889366	A	19981016	
AU 717526	B	20000330	AU 199467989	A	19940418	200026 E
			AU 199889366	A	19981016	
EP 1111910	A2	20010627	EP 1994914827	A	19940418	200137 E
			EP 2001102495	A	19940418	
EP 705517	B1	20011017	EP 1994914827	A	19940418	200169 E
			WO 1994US4253	A	19940418	
			EP 2001102495	A	19940418	
DE 69428701	E	20011122	DE 69428701	A	19940418	200201 E
			EP 1994914827	A	19940418	
			WO 1994US4253	A	19940418	
US 6357047	B1	20020312	WO 1994US4253	A	19940418	200221 E
			US 1995347394	A	19950306	
			US 1997885006	A	19970630	
US 6532043	B1	20030311	US 199349028	A	19930416	200321 E
			WO 1994US4253	A	19940418	
			US 1994230050	A	19940419	
			US 1995347394	A	19950306	
			US 1996665277	A	19960617	
			US 1997885006	A	19970630	
			US 1997932557	A	19970919	
CA 2160477	C	20040203	CA 2160477	A	19940418	200411 E
			WO 1994US4253	A	19940418	
EP 1111910	B1	20040929	EP 1994914827	A	19940418	200464 E
			EP 2001102495	A	19940418	
DE 69434047	E	20041104	DE 69434047	A	19940418	200474 E
			EP 2001102495	A	19940418	
JP 2005110318	A	20050421	JP 1994523526	A	19940418	200527 E

DE 69434047	T2	20051006	JP 2005120	A 20050104
			DE 69434047	A 19940418 200566 E
			EP 2001102495	A 19940418
JP 2006141042	A	20060601	JP 1994523526	A 19940418 200637 E
			JP 2005338614	A 20051124

Priority Applications (no., kind, date): GB 19937894 A 19930416

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
WO 1994024815	A1	EN	22	8	
					National Designated States,Original: AU CA CN GB JP US
					Regional Designated States,Original: AT BE CH DE DK ES FR GB GR IE IT LU
					MC NL PT SE
AU 199467989	A	EN			Based on OPI patent WO 1994024815
EP 705517	A1	EN	22	8	PCT Application WO 1994US4253
					Based on OPI patent WO 1994024815
					Regional Designated States,Original: BE DE FR GB IT NL
JP 9501545	W	JA	29		PCT Application WO 1994US4253
					Based on OPI patent WO 1994024815
US 5644364	A	EN	13	8	PCT Application WO 1994US4253
					Based on OPI patent WO 1994024815
AU 694119 9467989	B	EN			Previously issued patent AU
					Based on OPI patent WO 1994024815
AU 199889366 199467989	A	EN			Division of application AU
AU 717526 199467989	B	EN			Division of application AU
					Previously issued patent AU
9889366					
EP 1111910 1994914827	A2	EN			Division of patent AU 694119
					Division of application EP
					Division of patent EP 705517
					Regional Designated States,Original: BE DE FR GB IT NL
EP 705517	B1	EN			PCT Application WO 1994US4253
					Related to application EP
2001102495					
					Related to patent EP 1111910
					Based on OPI patent WO 1994024815
					Regional Designated States,Original: BE DE FR GB IT NL
DE 69428701	E	DE			Application EP 1994914827
					PCT Application WO 1994US4253
					Based on OPI patent EP 705517
					Based on OPI patent WO 1994024815
US 6357047 1994US4253	B1	EN			Continuation of application WO
1995347394					Continuation of application US
US 6532043	B1	EN			C-I-P of application US 199349028

			Continuation of application WO
1994US4253			Continuation of application US
1994230050			Continuation of application US
1995347394			Division of application US
1996665277			Division of application US
1997885006			
			C-I-P of patent US 5440348
			Continuation of patent US 5528310
			Continuation of patent US 5644364
			Division of patent US 5812216
			Division of patent US 6357047
CA 2160477	C EN		PCT Application WO 1994US4253
EP 1111910 1994914827	B1 EN		Based on OPI patent WO 1994024815
			Division of application EP
			Division of patent EP 705517
Regional Designated States,Original:	BE DE FR GB IT NL		
DE 69434047	E DE		Application EP 2001102495
JP 2005110318 1994523526	A JA 16		Based on OPI patent EP 1111910
			Division of application JP
DE 69434047	T2 DE		Application EP 2001102495
JP 2006141042 1994523526	A JA 14		Based on OPI patent EP 1111910
			Division of application JP

Alerting Abstract WO A1

The circuit has two channels for communicating two sequences of digital still images at a rate for simulating video. A controller directs still images to one of the two channels. A blender has two inputs connected to the two sequences of digital still images as real-time video effect data.

The blender enables effects such as dissolves, wipes and chroma keys to be performed on the two streams of data. Complex arbitrary three-dimensional effects may also be provided via an external interface.

ADVANTAGE - Provides improved media-pipeline circuit able to produce real-time video output data.

Title Terms/Index Terms/Additional Words: MEDIUM; PIPE; CIRCUIT; PROCESS; DIGITAL; STILL; IMAGE; SEQUENCE; TWO; COMPRESS; DECOMPRESS; CHANNEL; FEED ; BLEND; UNIT

Class Codes

International Classification (Main): G06F-005/00, G06T-001/20, H04N-

005/262
, H04N-005/91, H04N-009/74
(Additional/Secondary): G09F-005/00, H04N-005/265
International Classification (+ Attributes)
IPC + Level Value Position Status Version
H04N-0005/268 A I F B 20060101

File Segment: EngPI; EPI;
DWPI Class: T01; W04; P85
Manual Codes (EPI/S-X): T01-D02; T01-J10B; W04-H05; W04-N05G1

Original Publication Data by Authority

Claims:

...of video data to be read for the sequence; for the selected sequence, reading the **desired** amount of **video** data from the **data file** for the **selected** sequence in the file system; receiving effect parameters defining the digital video effect; processing the...

...desired amount of video data to be read for the sequence; for the selected sequence, **reading** the desired **amount** of video data **from the** **data file** **for** the selected sequence in the file system (40); receiving effect parameters defining the digital video...

...defining motion video, comprising the steps of: periodically transferring pixel data of images from the **first** and second sequences **into** first and second buffer circuits to maintain valid data in the first and second buffer...

...files to a first and a second data buffer, respectively; receiving a transition signal defining a transition **from** the first sequence to the **second** sequence; controlling reading of the first and second sequences from the first and second buffers...

19/69,K/36 (Item 36 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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0006657350 - Drawing available

WPI ACC NO: 1994-035382/199404

XRPX Acc No: N1994-027512

Generating digital representation of video-tape signals - representing video signal digitally, and excluding redundant video fields for replay at

second pre-specified rate of frames per second

Patent Assignee: AVID TECHNOLOGY INC (AVID-N); O'CONNOR P D (OCON-I);
PETERS E C (PETE-I); PHILLIPS M E (PHIL-I)

Inventor: O'CONNOR P D; OCONNOR P D; PETERS E C; PHILLIPS M E

Patent Family (11 patents, 39 countries)

Patent		Application					
Number	Kind	Date	Number	Kind	Date	Update	
WO 1994001971	A2	19940120	WO 1993US6299	A	19930701	199404	B
AU 199346624	A	19940131	AU 199346624	A	19930701	199422	E
EP 648399	A1	19950419	EP 1993916932	A	19930701	199520	E
			WO 1993US6299	A	19930701		
US 5905841	A	19990518	US 1992908192	A	19920701	199927	E
			US 1995393886	A	19950224		
US 5930445	A	19990727	US 1992908192	A	19920701	199936	E
			US 1995393877	A	19950224		
CA 2139420	C	20001212	CA 2139420	A	19930701	200103	E
			WO 1993US6299	A	19930701		
EP 1071092	A2	20010124	EP 1993916932	A	19930701	200107	E
			EP 2000108141	A	19930701		
CA 2327070	A1	19940120	CA 2139420	A	19930701	200112	E
			CA 2327070	A	19930701		
CA 2327070	C	20011225	CA 2139420	A	19930701	200210	E
			CA 2327070	A	19930701		
US 6618547	B1	20030909	US 1992908192	A	19920701	200361	E
			US 1995393877	A	19950224		
			US 1999304932	A	19990504		
US 20040057696	A1	20040325	US 1992908192	A	19920701	200422	E
			US 1995393877	A	19950224		
			US 1999304932	A	19990504		
			US 2003657800	A	20030908		

Priority Applications (no., kind, date): US 2003657800 A 20030908; US 1999304932 A 19990504; US 1995393886 A 19950224; US 1995393877 A 19950224; US 1992908192 A 19920701

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
WO 1994001971	A2	EN	47	7	

National Designated States,Original: AU BB BG BR CA CZ FI HU JP KP KR LK.

MG MN MW NO NZ PL RO RU SD SK UA

Regional Designated States,Original: AT BE CH DE DK ES FR GB GR IE IT LU

MC NL PT SE

AU 199346624 A EN Based on OPI patent WO 1994001971

EP 648399	A1 EN	47 7	PCT Application WO 1993US6299 Based on OPI patent WO 1994001971
Regional Designated States,Original: GB			
US 5905841 1992908192	A EN		Continuation of application US
US 5930445 1992908192	A EN		Division of application US
CA 2139420	C EN		PCT Application WO 1993US6299 Based on OPI patent WO 1994001971
EP 1071092 1993916932	A2 EN		Division of application EP
Division of patent EP 648399			
Regional Designated States,Original: GB			
CA 2327070	A1 EN		Division of application CA 2139420
CA 2327070	C EN		Division of application CA 2139420
US 6618547 1992908192	B1 EN		Division of application US
Continuation of application US			
1995393877			Continuation of patent US 5930445
US 20040057696 1992908192	A1 EN		Division of application US
Continuation of application US			
1995393877			Continuation of application US
1999304932			Continuation of patent US 5930445 Continuation of patent US 6618547

Alerting Abstract WO A2

The method involves identifying the redundant video fields in the video frame sequence of a video signal. Identification is achieved by assigning a capture mask value to each video field in the video frame sequence. The capture mask value of a field is '0' if the field is redundant and '1' for all other fields.

The video frame sequence is digitised, excluding the identified redundant video fields. The digitised video frames are compressed to generate a digital representation of the video signal which plays at a second pre-specified rate of frames per second. The digitised representation of the video signal is stored on a digital storage device.

USE/ADVANTAGE - Electronic editing of video film and audio source material. By reformatting analog video as it is digitised, system can electronically edit film based on same metric used in conventional film editing. Improved precision and flexibility.

Title Terms/Index Terms/Additional Words: GENERATE; DIGITAL; REPRESENT; VIDEO; TAPE; SIGNAL; EXCLUDE; REDUNDANT; FIELD; REPLAY; SECOND; PRE;

SPECIFIED; RATE; FRAME; PER; ELECTRONIC; EDITING; NTSC

Class Codes

International Classification (Main): G11B-027/034, H04N-003/36, H04N-005/76

, H04N-005/93, H04N-007/01

(Additional/Secondary): G11B-027/00, G11B-027/031, H04B-007/185,
H04N-005/253

File Segment: EPI;

DWPI Class: S06; W04

Manual Codes (EPI/S-X): S06-B05; W04-B10C; W04-H05

Original Publication Data by Authority

Claims:

...to produce an edited sequence of digital images; and means for generating a representation of a programme from the edited sequence of digital images...

...of 24 frames per second; a nonlinear editing system, including: means for permitting a user to specify scenes from the sequences of digital images stored in the data files on the random access computer readable medium, wherein a scene is defined by a reference to a data file storing a selected one of the sequences of digital images and by frame points designated in the...

...A computer-based system for non-linear editing of a program from a source having a temporal resolution corresponding to a playback rate of 24 frames per second, comprising...

...resolution corresponding to the playback rate of 24 frames per second; and means for generating a representation of the program from the sequence of segments of the sequences of digital images...
...of redundant video fields being included in the video frame sequence, comprising: identifying the redundant video fields in the video frame sequence using a data file indicative of a pulldown sequence used to generate the video frame sequence...

19/69,K/37 (Item 37 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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0006657249 - Drawing available

WPI ACC NO: 1994-035261/199404

Related WPI Acc No: 1998-311831; 2000-586033; 2001-181276; 2002-689362
XRPX Acc No: N1994-027392

Single chip IC appts. for video instruction set computing - has functional

units to handle communication, bandwidth adaption, application control, multimedia management and universal video encoding

Patent Assignee: SHAW S M (SHAW-I); SHAW V M (SHAW-I)

Inventor: SHAW S M; SHAW V M

Patent Family (8 patents, 36 countries)

Patent		Application					
Number	Kind	Date	Number	Kind	Date	Update	
WO 1994001824	A1	19940120	WO 1993US5863	A	19930617	199404	B
AU 199347686	A	19940131	AU 199347686	A	19930617	199422	E
GB 2284525	A	19950607	WO 1993US5863	A	19930617	199526	E
			GB 1995137	A	19950105		
US 5457780	A	19951010	US 1991686773	A	19910417	199546	E
			US 1992909312	A	19920706		
GB 2284525	B	19960320	WO 1993US5863	A	19930617	199615	E
			GB 1995137	A	19950105		
US 5611038	A	19970311	US 1991686773	A	19910417	199716	
NCE			US 1994297409	A	19940829		
AU 677791	B	19970508	AU 199347686	A	19930617	199727	E
CA 2139660	C	20000314	CA 2139660	A	19930617	200032	E
			WO 1993US5863	A	19930617		

Priority Applications (no., kind, date): US 1994297409 A 19940829; US 1991686773 A 19910417; US 1992909312 A 19920706

Patent Details

Number Kind Lan Pg Dwg Filing Notes

WO 1994001824 A1 EN 116 4

National Designated States,Original: AT AU BB BG BR CA CH DE DK ES FI GB

HU JP KP KR LK LU MG MN MW NL NO PL RO RU SD SE US

Regional Designated States,Original: AT BE CH DE DK ES FR GB GR IE IT LU

MC NL OA PT SE

AU 199347686 A EN Based on OPI patent WO 1994001824

GB 2284525 A EN 1 1 PCT Application WO 1993US5863

Based on OPI patent WO 1994001824

US 5457780 A EN 17 4 C-I-P of application US 1991686773

GB 2284525 B EN 1 PCT Application WO 1993US5863

Based on OPI patent WO 1994001824

US 5611038 A EN 86 44 Continuation of application US

1991686773

AU 677791 B EN Previously issued patent AU

9347686

Based on OPI patent WO 1994001824

Alerting Abstract WO A1

The single chip integrated circuit system includes functional units based on Video-Instruction-Set-Computing(VISC). The chip includes a number of functional units. A scalable formatter element handles arbitrary external video formats and adapt to internal formats accounting for available bandwidth. Video data blocks are held in a smart memory. The circuit also has an embedded RISC or CISC co-processor element to support DOS etc.

Using a real-time object-oriented operating system with concurrent execution of application and VISC the unit provides processing for interactive video, HDTV and multimedia communications.

ADVANTAGE - Provides a scalable integrated computing architecture for digital or algorithmic complex data types.

Equivalent Alerting Abstract US A

An integrated system optimized for a video-instruction set executing a plurality of applications for the storage, retrieval and scalable formatting of video data, comprising:

a frame capture state, first data processing means for the selective receipt of a local or remote signal, said first data processing means preprocessing the remote signal to produce a real-time frame differential bit map and micro-blocks sub-images at said frame capture stage during a first period of time;

first controller means producing a run time object priority assignment signal in accordance with said micro block sub images during a second period of time subsequent to said first period of time , second

controller means for producing and preetching look-ahead group instruction sequences for run-time execution of each of said micro block

sub images in accordance with said run- time object priority assignment,

third controller means connected to said first data processing means for producing a run-time bandwidth requirement signal for each of said micro block sub images in accordance with said frame differential bit map, based upon said preetching look-ahead group instruction sequences produced during said first period of time;

second data processor means connected to said first data processor means

and said second controller means for scalable data formatting of the

micro block sub image data to a compatible internal format in accordance

with said run- time object priority assignment, third data processor

means connected to said second data processor for encoding said compatible internal format of said micro block sub images to produce encoded micro block sub images;

fourth data processor means connected to said third data processor means for packaging said encoded micro block sub images based upon said prefetched instruction-look-ahead sequences to produce packaged data, said fourth data processor means further comprising a transmitter means for remote network transmission;

scalable and reconfiguration data memory means for receipt of said packaged data and automatically self-configuring said packaged data into a plurality of internally storable entities, said scalable and reconfiguration data memory means comprising at least one memory cell and their associated sensing, register, control, **management** and interface circuits, as well as a run-time adaptive decision-making logic means for receiving a set of run-time variables corresponding to user, application, and networking conditions, and producing a run-time executable data storage configuration in order to address, store, and retrieve the most recently-optimized run-time video articles or objects;

decoder means connected to said scalable and reconfigurable data memory and said prefetched instruction-look-ahead sequences to produce a decoded signal; and

display means connected to said decoder means for post processing said decoded signal in accordance with said prefetched instruction-look-ahead sequences, said display means comprising a plurality of display, facsimile or printer adapters.

Title Terms/Index Terms/Additional Words: SINGLE; CHIP; IC; APPARATUS; VIDEO; INSTRUCTION; SET; COMPUTATION; FUNCTION; UNIT; HANDLE; COMMUNICATE ; BANDWIDTH; ADAPT; APPLY; CONTROL; **MANAGEMENT** ; UNIVERSAL; ENCODE

Class Codes

International Classification (Main): G06F-015/21, G06F-015/62, G06F-017/00,
G06T-001/00, G06T-001/20
(Additional/Secondary): G06T-001/60, H04N-007/015

File Segment: EPI;
DWPI Class: T01; U13; W04
Manual Codes (EPI/S-X): T01-F05; T01-F07; T01-M02B; T01-M05; U13-C05;
W04-N05G5

...has functional units to handle communication, bandwidth adaption,

application control, multimedia management and universal video encoding

Equivalent Alerting Abstract ...first **controller** means producing a run **time** object **priority** assignment signal in accordance with said micro block sub images during a second period of time subsequent to said first period of time, second **controller** means for producing and preetching look-ahead group instruction sequences for run-time execution of each of said micro block sub images in accordance with said run- **time** object **priority** assignment, third **controller** means connected to said first data processing means for producing a run-time bandwidth requirement...
...second data processor means connected to said first data processor means and said **second controller** means for scalable data formatting of the micro block sub image data to a compatible internal format in accordance with said run- **time** object **priority** assignment, third data processor means connected to said second data processor for encoding said compatible
...
...data memory means comprising at least one memory cell and their associated sensing, register, control, **management** and interface circuits, as well as a run-time adaptive decision-making logic means for...;

Title Terms.../Index Terms/Additional Words: **MANAGEMENT** ;

Original Publication Data by Authority

Original Abstracts:

...functional units to independently execute the tasks of remote communication, bandwidth adaptation, application control, multimedia **management**, and universal video encoding. The integrated circuit is also comprised of scalable formatter element connecting...
...to the functional units and scalable formatter, which can access, store, and transfer blocks of **video data based on selective** internal format. In the preferred embodiment, the integrated circuit is also comprised of an embedded...
...includes a real time object oriented operation system element wherein concurrent execution of the application **program** and real **time** VISC based video instruction sets can be performed. The present invention is designed to sustain...
...monitors the run-time status and condition changes of the

telecommunications network and would dynamically **control** and adjust, on a real **time** basis, the corresponding network bandwidth prior to immediately transmitting all of the video and audio...

...functional units to independently execute the tasks of remote communication, bandwidth adaptation, application control, multimedia **management**, and universal video encoding. The integrated circuit is also comprised of scalable formatter element connecting...

...to the functional units and scalable formatter, which can access, store, and transfer blocks of **video data** based on **selective** internal format. In the preferred embodiment, the integrated circuit is also comprised of an embedded...

...includes a real time object oriented operation system element wherein concurrent execution of the application **program** and real **time** VISC based video instruction sets can be performed. The present invention is designed to sustain...

Claims:

...frame differential bit map and microblocks subimages at the frame capture stage prior to run-**time**; first **controller** means producing a run

time object **priority** assignment signal in accordance with said microblock subimages; second **controller** means for producing and prefetching look-ahead group instruction sequences for run-time execution

of each of said microblock subimages in accordance with said run-**time** object **priority** assignment; third **controller** means connected to said

first data processing means for producing a run-time bandwidth requirement

...

...of the microblock subimage data to a compatible internal format in accordance with said run-**time** object **priority** assignment; third data processor means connected to aid second data processor for encoding said compatible...

...frame differential bit map and microblocks subimages at said 'frame capture stage during a first **period** of **time**; first **controller** means

producing a run **time** object **priority** assignment signal in accordance

with said microblock subimages during a second period of time subsequent to

said first **period** of **time**; second **controller** means for producing

and prefetching look-ahead group instruction sequences for run-time execution of each of said microblock subimages in accordance with said run-

time object **priority** assignment; third **controller** means connected to said first data processing means for producing a run-time bandwidth requirement...

...of time; second data processor means connected to said first data processor means and said **second controller** means for scaleable data formatting of the microblock subimage data to a compatible internal format in accordance with said run- **time** object **priority** assignment; third data processor means connected to said second data processor for encoding said compatible...

...data memory means comprising at least one memory cell and their associated sensing, register, control, **management** and interface circuits, as well as a run-time adaptive decision-making logic means for...

...device continuously monitoring run-time status and condition ,changes of said telecommunications network and dynamically **controlling** and adjusting on a real **time** basis corresponding network bandwidth utilization by said video and audio information prior to immediately transmitting...

19/69,K/38 (Item 38 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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0006195983 - Drawing available

WPI ACC NO: 1992-132411/199216

Related WPI Acc No: 1992-132329; 1992-132330; 1992-132331; 1992-132405;
1992-132406; 1992-132407; 1992-132412

XRPX Acc No: N1992-098773

Digitised picture playback system for CD - has user generated picture
parameter data stored in separate medium and is removably interfaced
with micro-controller and contains contrast

Patent Assignee: KONINK PHILIPS ELECTRONICS NV (PHIG); PHILIPS
ELECTRONICS

NV (PHIG); PHILIPS GLOEILAMPENFAB NV (PHIG); US PHILIPS CORP
(PHIG)

Inventor: TIMMERMANS J M K

Patent Family (10 patents, 33 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
WO 1992005657	A	19920402	WO 1991NL169	A	19910913	199216 B
AU 199186567	A	19920415	AU 199186567	A	19910913	199230 E
			WO 1991NL169	A	19910913	
EP 549689	A1	19930707	EP 1991917101	A	19910913	199327 E
			WO 1991NL169	A	19910913	
CN 1067545	A	19921230	CN 1991109786	A	19910913	199336 E
JP 6501363	W	19940210	JP 1991517454	A	19910913	199411 E
			WO 1991NL169	A	19910913	
EP 549689	B1	19951206	EP 1991917101	A	19910913	199602 E
			WO 1991NL169	A	19910913	
DE 69115284	E	19960118	DE 69115284	A	19910913	199608 E
			EP 1991917101	A	19910913	
			WO 1991NL169	A	19910913	
ES 2083594	T3	19960416	EP 1991917101	A	19910913	199623 E
US 5543925	A	19960806	WO 1991NL169	A	19910913	199637 E
			US 1993982739	A	19930716	
KR 242756	B1	20000201	WO 1991NL169	A	19910913	200118 E
			KR 1993700806	A	19930318	

Priority Applications (no., kind, date): EP 1990202487 A 19900919; NL
19902110 A 19900927

Patent Details

Number Kind Lan Pg Dwg Filing Notes
WO 1992005657 A EN 61 27

National Designated States,Original: AU BB BG BR CA CS FI HU JP KP KR
LK

MG MW NO PL RO SD SU US

Regional Designated States,Original: AT BE CH DE DK ES FR GB GR IT LU
NL

SE

AU 199186567 A EN PCT Application WO 1991NL169
Based on OPI patent WO 1992005657

EP 549689 A1 EN 1 PCT Application WO 1991NL169
Based on OPI patent WO 1992005657

Regional Designated States,Original: DE ES FR GB IT

JP 6501363	W	JA	PCT Application WO 1991NL169 Based on OPI patent WO 1992005657
EP 549689	B1	EN	37 27 PCT Application WO 1991NL169 Based on OPI patent WO 1992005657
Regional Designated States,Original: DE ES FR GB IT			
DE 69115284	E	DE	Application EP 1991917101 PCT Application WO 1991NL169 Based on OPI patent EP 549689 Based on OPI patent WO 1992005657
ES 2083594	T3	ES	Application EP 1991917101 Based on OPI patent EP 549689
US 5543925	A	EN	31 27 PCT Application WO 1991NL169 Based on OPI patent WO 1992005657
KR 242756	B1	KO	PCT Application WO 1991NL169

Alerting Abstract WO A

The playback system customises digitised pictures stored on non rewritable compact disc (440). A player is provided for storing user generated picture parameter data in a separate medium (460). The separate database medium is configured to be removably interfaced with the CD players microcontroller (444) for storing picture data. The module can be removed and inserted into another player.

The customisation data may contain picture reproduction parameters to include contrast magnification colour balance, saturation and border type and location with a photo finisher providing hard copies.

USE/ADVANTAGE - Reduces time spent customising.

Title Terms/Index Terms/Additional Words: DIGITAL; PICTURE; PLAYBACK; SYSTEM; CD; USER; GENERATE; PARAMETER; DATA; STORAGE; SEPARATE; MEDIUM; REMOVE; INTERFACE; CONTROL; CONTAIN; CONTRAST

Class Codes

International Classification (Main): H04N-001/21, H04N-005/76, H04N-005/91, H04N-009/79
(Additional/Secondary): H04N-001/23, H04N-001/387, H04N-001/46, H04N-005/85, H04N-009/80

File Segment: EngPI; EPI;
DWPI Class: S06; T03; W02; W04; P85
Manual Codes (EPI/S-X): W04-C10A3; W04-F01; W04-K05

Original Publication Data by Authority

Original Abstracts:

...with the CD player's microcontroller (444) for storing picture parameter data that has been programmed by the user. The module can then be removed from the playback device and inserted...

...with the CD player's microcontroller (444) for storing picture

parameter
data that has been **programmed** by the user. The module can then be
removed
from the playback device and inserted...

Claims:

...means, said differences being information defining said second
individual picture representation parameter settings for individual
digitized pictures recorded on **the digital data base medium**
identified by **said data** base identification; /br second means for
detecting whether, for said data base identification, information
defining
second individual picture representation parameter settings is stored
in
the memory; **and** /br user controllable means, responsive **to** said
second
means for detecting, for selectively supplying the first or second
individual picture representation...

19/69,K/39 (Item 39 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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0005944994 - Drawing available

WPI ACC NO: 1992-176413/

XRPX Acc No: N1992-133099

Data bank for video recording and playback system - has single rotating drum with heads for recording video signal on one medium and data signal on second medium

Patent Assignee: SAMSUNG ELECTRONICS CO (SMSU); SAMSUNG ELECTRONICS CO LTD

(SMSU)

Inventor: CHOI S; CHOI S L

Patent Family (7 patents, 5 countries)

Patent		Application				
Number	Kind	Date	Number	Kind	Date	Update
DE 4138107	A	19920521	DE 4138107	A	19911119	199222 B
CN 1061689	A	19920603	CN 1991111162	A	19911120	199307 E
KR 199305814	B	19930625	KR 199018773	A	19901120	199407 E
DE 4138107	C2	19940526	DE 4138107	A	19911119	199419 E
US 5636313	A	19970603	US 1991791226	A	19911113	199728 E
US 6169841	B1	20010102	US 1991791226	A	19911113	200103 E
			US 1997825933	A	19970401	
JP 3214880	B2	20011002	JP 1991301949	A	19911118	200164 E

Priority Applications (no., kind, date): KR 199018773 A 19901120

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes	
DE 4138107	A	DE	9	2		,
DE 4138107	C2	DE	9	2		
US 5636313	A	EN	9			
US 6169841	B1	EN			Division of application US	
1991791226						
					Division of patent US 5636313	
JP 3214880	B2	JA	9		Previously issued patent JP	
04332986						

Alerting Abstract DE A

The data bank has scanners for two recording media (TM1, 2) i.e. a video recording medium (TM1) and an additional data recording medium (TM2) to be installed and driven in the data bank. There are two servo-drives for the two recording media. Correspondingly selected information by a user can be recorded to a correct position on the data recording medium.

The recording is carried out by the data scanners and servomotors.

From

the medium they can be found and recalled from display on a data screen.

The data bank has two scanners (21, 22, SW1, 23, 24 SW2), associated

with
the magnetic head drum (20). They are both active for recording and
read-out of the respective information signals.

USE - For video recorder or camcorder to allow simple storage and
retrieval of information related to video recording.

Title Terms/Index Terms/Additional Words: DATA; BANK; VIDEO; RECORD;
PLAYBACK; SYSTEM; SINGLE; ROTATING; DRUM; HEAD; SIGNAL; ONE; MEDIUM;
SECOND

Class Codes

International Classification (Main): G11B-027/02, G11B-027/028, G11B-
027/10

, G11B-031/00, H04N-005/76, H04N-005/91

(Additional/Secondary): G06F-017/30, G11B-015/52, G11B-005/86

File Segment: EPI;

DWPI Class: T01; T03; W04

Manual Codes (EPI/S-X): T01-J05B; T03-Q; W04-F

Original Publication Data by Authority

Claims:

... A method for maintaining a data bank in a video recording device,
said
method comprising the steps of: determining in a recording mode of
said
video recording device if **a** data bank reproduction mode is
selected;
if the data bank reproduction mode is selected, recording data stored
in a
playback section of a recording medium and displaying the **data** on a
display of **the video** recording device; if the **data** bank
reproduction
mode is not selected, displaying a file index corresponding to files
stored
in...

...data processor for providing to said second scanning means the
received
data information by processing **digital** data received from said system
controller to be recorded onto said second recording medium, and for
supplying to said system controller

19/69,K/40 (Item 40 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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0005847563 - Drawing available

WPI ACC NO: 1992-073568/

XRPX Acc No: N1992-055321

**Animation image composition for karaoke device - displays still
animation**

**images in sequence on display in time with reproduction of music by
digital**

sound source driven by MIDI signals

Patent Assignee: RICOS CO LTD (RICO-N)

Inventor: TANIGUCHI S; TSUMURA M

Patent Family (5 patents, 7 countries)

Patent				Application			
Number	Kind	Date	Number	Kind	Date	Update	
EP 473043	A	19920304	EP 1991113914	A	19910820	199210	B
US 5262765	A	19931116	US 1991748260	A	19910821	199347	E
TW 212842	A	19930911	TW 1991106514	A	19910816	199349	E
EP 473043	B1	19951102	EP 1991113914	A	19910820	199548	E
DE 69114223	E	19951207	DE 69114223	A	19910820	199603	E
			EP 1991113914	A	19910820		

Priority Applications (no., kind, date): JP 1990220468 A 19900821

Patent Details

Number Kind Lan Pg Dwg Filing Notes

EP 473043 A EN

Regional Designated States,Original: DE FR GB IT NL

US 5262765 A EN 6 2

TW 212842 A ZH

EP 473043 B1 EN 9 2

Regional Designated States,Original: DE FR GB IT NL

DE 69114223 E DE Application EP 1991113914
Based on OPI patent EP 473043

Alerting Abstract EP A

The animation image composition and display device has a temp.
detector

(2) which identifies temp. data from the MIDI data and which generates
a
sequence of pulses which are synchronised with the temp. at which the
music
is produced. A pitch detector (3) identifies pitch data from the' MIDI
data
and outputs it in sequence.

An image composition controller (4) includes a display timing
calculator (41), which outputs trigger signals in accordance with the
timing of the pulses. A display colour calculator (42) processes the
pitch
data in order to determine the foreground and background colours. A
display
image selector (43) selects one or more items of animation data
from an
image database in which are stored a number of sets of animation

images
in data form.

ADVANTAGE - Amount of image data should be kept to minimum. @ (7pp
Dwg.No.1/2) @

Equivalent Alerting Abstract US A

The device displays still animation images in sequence on a display in time with the reproduction of music by a digital sound source driven by MIDI signals. The device reads a series of **specified** or optional **animation** images from an image **database**, which holds many **animation** images, and transmits them in accordance with tempo data which forms part of the MIDI data.

The device also uses pitch data to determine the colour of the animation

images to be displayed. The device composes the still images and the specified colours and displays them on a visual display medium.

ADVANTAGE - Causes selected animation images on visual display medium to move without recourse to dynamic image data.

Title Terms/Index Terms/Additional Words: ANIMATED; IMAGE; COMPOSITION; KARAOKE; DEVICE; DISPLAY; STILL; SEQUENCE; TIME; REPRODUCE; MUSIC; DIGITAL; SOUND; SOURCE; DRIVE; MIDI; SIGNAL

Class Codes

International Classification (Main): G06F-015/62, G06T-015/70, G09G-005/00
(Additional/Secondary): G06F-015/72, H04N-003/00

File Segment: EngPI; EPI;
DWPI Class: T01; W04; P85

Manual Codes (EPI/S-X): T01-J10C5; W04-U05; W04-X03A3

Alerting Abstract ...An image composition **controller** (4) includes a display **timing** calculator (41), which outputs trigger signals in accordance with the timing of the pulses. A...

...data in order to determine the foreground and background colours. A display image selector (43) **selects** one or more items of **animation** data from an image **database** in which are stored a number of sets of animation images in data form...

Equivalent Alerting Abstract ...by a digital sound source driven by MIDI signals. The device reads a series of **specified** or optional **animation** images from an image **database**, which holds many **animation** images, and transmits them in accordance with tempo data which forms part of the MIDI
...

Original Publication Data by Authority

Original Abstracts:

...a digital sound source (1) driven by MIDI signals. The device reads a series of **specified** or optional **animation** images from an **image database** (6), which holds many **animation** images, and transmits them in accordance with tempo data which forms part of the MIDI...

...by a digital sound source driven by MIDI signals. The device reads a series of **specified** or optional **animation** images from an **image database**, which holds many **animation** images, and transmits them in accordance with tempo data which forms part of the MIDI...

Claims:

...said MIDI data and which outputs said pitch data in sequence, and an image composition **controller** (4) comprising a display **timing calculator** (41), which outputs trigger signals in accordance with the timing of the aforementioned pulses...

...order to determine the foreground and background colors, and a display image selector (43), which **selects** one or more items of **animation data** from an image **database** (6) in which are stored a plurality of sets of animation images in data form...

...MIDI data and which outputs said pitch data (b) in sequence, and an image composition **controller** (4) comprising a display **timing calculator** (41), which outputs trigger signals (c) in accordance with the timing of the aforementioned...

...to determine (e) the foreground and background colors, and a display image selector (43), which **selects** (f) one or more **animation image data** from an image **database** (6) in which are stored a plurality of sets of animation images in data form...

...said MIDI data and which outputs said pitch data in sequence; and an image composition **controller** comprising a display **timing calculator**, which outputs trigger signals in accordance with the timing of said pulses, a display...

...and a display image selector, which outputs a control signal to a database controller which **selects** one or more items of **animation data** from an image **database** in which are stored a plurality of sets of animation images in data form; said animation image composition and display device also being used to **arrange** said selected items of animation data

and said determined colors and to display still images...

19/69,K/41 (Item 41 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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0005144252 - Drawing available

WPI ACC NO: 1990-133493/

XRPX Acc No: N1990-103498

Computer animation production system - providing separate communication systems for digital control data and image data between image and data processing units

Patent Assignee: DISNEY CO WALT (DISN-N); DISNEY W CO (DISN-N)

Inventor: DAVIS L; DAVIS L L; KIMBALL M; KIMBALL M R; KOHLER D; KOHLER D W;

SARKISSIAN V

Patent Family (13 patents, 17 countries)

Patent Number	Kind	Date	Application		
			Number	Kind	Date
EP 365960	A	19900502	EP 1989119147	A	19891014
AU 198942984	A	19900426			199033 E
US 5091849	A	19920225	US 1988263429	A	19881024
			US 1991636544	A	19910102
AU 199219509	A	19920910	DE 58904419	A	19891012
			AU 199219509	A	19920707
AU 639185	B	19930715	EP 1989118964	A	19891012
			AU 199219509	A	19920707
CA 1329433	C	19940510	CA 615076	A	19890929
JP 8087604	A	19960402	JP 1989278312	A	19891024
			JP 1995147937	A	19891024
EP 365960	B1	19980408	EP 1989119147	A	19891014
DE 68928637	E	19980514	DE 68928637	A	19891014
			EP 1989119147	A	19891014
US 5764980	A	19980609	US 1988263429	A	19881024
			US 1991636544	A	19910102
			US 1991788315	A	19911105
			US 1994293791	A	19940822
			US 1995413916	A	19950330
ES 2115585	T3	19980701	EP 1989119147	A	19891014
IE 80790	B	19990224	IE 19893339	A	19891017
CA 1340763	C	19990921	CA 615076	A	19930721
			CA 616673	A	200005 E

Priority Applications (no., kind, date): US 1995413916 A 19950330; US 1994293791 A 19940822; US 1991788315 A 19911105; US 1991636544 A 19910102; US 1988263429 A 19881024

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
EP 365960	A	EN	38	17	

Regional Designated States,Original: AT BE CH DE ES FR GB GR IT LI LU NL

SE

US 5091849	A	EN	33	0	
AU 199219509	A	EN			Division of application DE
58904419					

AU 639185	B	EN			Division of application EP
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1989118964

Previously issued patent AU
9219509

CA 1329433 C EN
JP 8087604 A JA 49 Division of application JP
1989278312

EP 365960 B1 EN 51 0
Regional Designated States, Original: AT BE CH DE ES FR GB GR IT LI LU
NL
SE
DE 68928637 E DE Application EP 1989119147
Based on OPI patent EP 365960
US 5764980 A EN Continuation of application US
1988263429
1991636544 Continuation of application US
1991788315 Continuation of application US
1994293791 Continuation of application US
ES 2115585 T3 ES Continuation of patent US 5091849
Application EP 1989119147
Based on OPI patent EP 365960
IE 80790 B EN
CA 1340763 C EN Division of application CA 615076

Alerting Abstract EP A

The computer animation production system supports a number of information processing devices (44...) each of which allows a user to develop, utilize and enhance digital image data. The processing units (44-76..) are associated with two global area networks. The first network 84) communicates digital control information which includes image database information. The second network (6, 8, 10, 12, 14), communicates digital image data to the processing devices (44..). This network also has an arbitration system (38..) and local memory (28..) to control access to the image data and provide local copies.

The image data includes pixel characterization information for image reproduction. A relational data base management system is provided for production system capable of handling massive data storage and communication requirements.

Equivalent Alerting Abstract US A

The computer image production system (2) contains information processing devices (44-76) for enabling users to develop, utilise and enhance digital image data. The information processing devices are associated with a first

(4) and a second (6, 8, 10, 12 and 14) global area network. The first global area network is for communicating digital control information to at least one information processing device. The digital control information includes image database information. The second global area network is for communicating the digital image data to the at least one information processing device. The digital image data includes pixel characteristic information for image reproduction on the information processing device.

The second global area network also includes appts. for arbitrating (36, 38, 40, 42 or 43) access of the digital image data to the information processing device. Associated with the appts. is a temporary memory (28, 30, 32, 34 or 35) for storing the digital image data likely to be accessed.

A relational database **management** system (23) **maintains** the digital **control** information for production **scheduling** and tracking purposes.

USE/ADVANTAGE - For feature film animation. Maximises overall efficiency.

USE/ADVANTAGE - (33pp)

Title Terms/Index Terms/Additional Words: COMPUTER; ANIMATED; PRODUCE; SYSTEM; SEPARATE; COMMUNICATE; DIGITAL; CONTROL; DATA; IMAGE; PROCESS; UNIT

Class Codes

International Classification (Main): G06F-015/42, G06F-015/62, G06F-015/72,
G06F-015/76, G06F-017/30, G06T-001/60, G06T-013/00
(Additional/Secondary): G06F-013/00, G06F-013/42, G06F-015/16, G06F-015/24
, G06F-015/40, G06F-015/417, G06F-015/60

File Segment: EPI;
DWPI Class: T01; W04

Manual Codes (EPI/S-X): T01-H05B; T01-H07; T01-J05B; T01-J10C; W04-K05

Original Titles:

...Computer image production system utilizing first and **second** networks
for separately transferring **control** information and digital image data...

Alerting Abstract ...The image data includes pixel characterization information for image reproduction. A relational data base **management** system is provided for production system capable of handling massive data storage and communication requirements.

Equivalent Alerting Abstract ...or 35) for storing the digital image data likely to be accessed. A relational database **management** system (23) **maintains** the digital **control** information for production **scheduling**

and tracking purposes...

Original Publication Data by Authority

Original Abstracts:

...data likely to be accessed by the information processing device (44-76).

A relational database **management** system (23) **maintains** the digital **control** information for production **scheduling** and tracking purposes...

...data likely to be accessed by the information processing device (44-76).

A relational database **management** system (23) **maintains** the digital **control** information for production **scheduling** and tracking purposes...

...data likely to be accessed by the information processing device (44-76).

A relational database **management** system (23) **maintains** the digital **control** information for production **scheduling** and tracking purposes.

Claims:

...The image data includes pixel characterization information for image reproduction. A relational data base **management** system is provided for production system capable of handling massive data storage and communication requirements...

...Bilddaten ueber eine Anzahl von Datenverarbeitungseinrichtungen (44, 46,

..., 74, 77) als eine oder mehrere Bilddateien **organisiert** sind, wobei

das System ein Logistiksystem (23) zum Speichern der einen oder mehreren Bilddateien und...

...production system enabling users to efficiently access, display, review, develop, and enhance digital image data **organized** as one or more image files, through a plurality of information processing devices (44, 46...

...having a logistics system (23) for storing the one or more image files and for **maintaining** control data relating to each of the one or more image files, the plurality of...

...A method of developing a production, the production **organized** into one or more scenes, each of the scenes comprising one or more images, said...

...or more workstations;providing a unique scene database for each of the one or more **scenes**, the **scene database** being stored in a **database** memory device of a logistics system, the **scene database** comprising

one
or more **scene database** files comprising data **identifying** the
image
files representative of the images of the scene to which the scene
database
...
...the requesting workstation over the first network; and acquiring one
or
more of the image **files** identified by the **returned scene** database
files of the **accessed scene** database at the requesting
workstation; enhancing none, one or more of the acquired one or...

19/9/42 (Item 1 from file: 347)

DIALOG(R)File 347:JAPIO

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06958943 **Image available**
VIDEO DISTRIBUTION DISPLAY METHOD, VIDEO DISTRIBUTING DEVICE USED
THEREFOR
AND PUBLIC DISPLAY

PUB. NO.: 2001-186496 [JP 2001186496 A]
PUBLISHED: July 06, 2001 (20010706)
INVENTOR(s): TOKIMOTO TOYOTARO
OISHI MASATOSHI
HARA AKIKO
APPLICANT(s): AVIX INC
APPL. NO.: 11-367921 [JP 99367921]
FILED: December 24, 1999 (19991224)
INTL CLASS: H04N-007/173; G09G-005/00; H04N-005/44

ABSTRACT

PROBLEM TO BE SOLVED: To provide a video distributing method by which a

program suitable for each public display is easily and efficiently operated and managed by centralized control concerning the multiple public displays.

SOLUTION: Video program data of a program to be broadcasted on the multiple public displays arranged in respective places and its broadcasting schedule are managed by a video distributing device 3 to be connected to the displays via a communication line N. The device 3 permits video program data properly selected from a database to correspond to schedule data and transmits it to the public displays 5 by the communication line N. The displays 5 receive video program data or schedule data transmitted from the device 3 and broadcast the program based on them.

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19/9/43 (Item 2 from file: 347)

DIALOG(R)File 347:JAPIO

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06941643 **Image available**
DIGITAL BROADCASTING RECEIVER

PUB. NO.: 2001-169194 [JP 2001169194 A]
PUBLISHED: June 22, 2001 (20010622)
INVENTOR(s): NISHIZAWA SHUJI
APPLICANT(s): FUJITSU TEN LTD
APPL. NO.: 11-354725 [JP 99354725]
FILED: December 14, 1999 (19991214)
INTL CLASS: H04N-005/44; G06F-017/30; H04N-005/445; H04N-007/025;
H04N-007/03; H04N-007/035; H04N-007/173

ABSTRACT

PROBLEM TO BE SOLVED: To provide a digital broadcasting receiver for receiving only a liking service continuously among the services of multi-channels.

SOLUTION: This receiver has a **program** type information extracting means 11 for extracting **program** type information including **time** information (t) from additional information B concerning the attribute of a **program**, a database preparing means 12 for preparing a database 13 for storing extracted **program** type information, a database retrieving means 14 for retrieving a **program** type **designated** by a user from the **database** 13 and successively providing audio/ **video** information concerning the **designation** time sequentially, and a retrieval determining means 15 for determining at the retrieval, according to selective specific information designated by the user.

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19/9/44 (Item 3 from file: 347)

DIALOG(R) File 347:JAPIO

(c) 2006 JPO & JAPIO. All rts. reserv.

06397142 **Image available**

VIDEO DATA DISTRIBUTING METHOD AND VIDEO SERVER

PUB. NO.: 11-338793 [JP 11338793 A]
PUBLISHED: December 10, 1999 (19991210)
INVENTOR(s): ISHIDA TAKASHI
APPLICANT(s): MATSUSHITA ELECTRIC IND CO LTD
APPL. NO.: 10-147169 [JP 98147169]
FILED: May 28, 1998 (19980528)
INTL CLASS: G06F-013/00

ABSTRACT

PROBLEM TO BE SOLVED: To provide a method for efficiently distributing video data from a video server to a reproducing terminal connected through a network.

SOLUTION: A video server 100 equally manages a second file storing second designation information for designating any file or directory managed by another video server 300 and a first file storing various video data based on first designation information. When there is a read request from a reproducing terminal 200 to the first or second file, it is judged whether the file is the second file or the first file and when it is judged as the second file, based on the second designation information, the read of data is requested to the video server 300 so that data are stored in a buffer 107.

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19/9/45 (Item 4 from file: 347)

DIALOG(R)File 347:JAPIO

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05182400 **Image available**

METHOD AND DEVICE FOR SCENE RETRIEVAL

PUB. NO.: 08-137900 [JP 8137900 A]

PUBLISHED: May 31, 1996 (19960531)

INVENTOR(s): MORI TAKAHISA

APPLICANT(s): TOSHIBA CORP [000307] (A Japanese Company or Corporation), JP

(Japan)

APPL. NO.: 06-274623 [JP 94274623]

FILED: November 09, 1994 (19941109)

INTL CLASS: [6] G06F-017/30

JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications)

JAPIO KEYWORD: R011 (LIQUID CRYSTALS)

ABSTRACT

PURPOSE: To easily and speedily retrieve a **desired scene** among **scenes** which are filed in a **data base** even if the file name of the desired scene is unknown.

CONSTITUTION: A media specification part 24 inputs the media that the retrieval object scene specified from an input device 1 has and sets the media in a media **management** part 32. Then a **time** specification part 25 sets time base information on respective media specified from the input device 1 in a **time base management** part 33. Then a scene retrieval part 51 obtains, for example, appearance order time of each medium set in the media **management** part 32 from the **time base** information set in the **time base management** part 33 and retrieves the same scene with the appearance order time in the data base 6. The retrieval result is displayed on a display 4 by a retrieval result display part 52. Consequently, the desired scene can easily be retrieved without using the file name.

Set	Items	Description
S1	241322	DATABASE OR DATABANK OR DATA() (BASE? OR BANK? OR FILE? OR - REPOSITOR? OR WAREHOUSE?) OR DB OR RDB OR OODB OR ODBC OR DBMS
S2	3139	S1(7N) (AUDIOVISUAL? OR MULTIMEDIA? OR MULTI()MEDIA? OR PHO- TO? ? OR PHOTOGRAPH? OR CLIP? ? OR SCENE? ?)
S3	6209	S1(7N) (AVI OR WAV OR VIDEO? OR MOVIE? OR FILM? OR ANIMATIO- N? ? OR (DIGITAL? OR SERIES) (3N) (IMAGE? ? OR PICTURE? ?))
S4	1093	S2:S3(5N) (SELECT? OR PICK??? OR CHOOSEN? OR CHOSEN OR IDENTI- FY? OR IDENTIFI? ? OR SPECIF? OR DESIGNAT? OR INDICAT? OR DE- SIR???)
S5	45	S4(7N) (DYNAMIC? OR AUTOMATIC? OR SMART? OR PERPETUAL? OR I- NTUIT? OR SELF OR SELF()DIRECT? OR INTELLIGENT?)
S6	2172068	REGULAT? OR CONTROL? OR MANAG? OR ORGANI? OR ARRANG? OR PR- OGRAM? OR MAINTAIN? OR PLAN??? ? OR PRIORIT?
S7	639450	S6(5N) (TIME? ? OR TIMELINE? ? OR TIMING OR TEMPORAL? OR CL- OCK? OR DURATION? OR EVENT? OR SCHEDUL? OR OCCASION? OR DAY? ? OR HOUR? ? OR MINUTE? ? OR SECOND? ? OR PERIOD?)
S8	89845	S7(3N) (USED OR USING OR UTILIZ? OR UTILIS? OR APPLY? OR AP- PLIE? ? OR EMPLOY? OR EXECUT? OR PERFORM? OR ACTIVAT? OR IMPL- EMENT?)
S9	12	S4(100N)S8
S10	0	S5(100N)S8
S11	17	S5(100N)S7
S12	110	S4(100N)S7
S13	29	S9:S11
S14	29	S13 AND S7(3N) (MANAG? OR ORGANI? OR ARRANG? OR PROGRAM? OR MAINTAIN? OR PLAN??? ? OR PRIORIT?)
S15	10	S14 NOT (AD>1997 OR AD=1998:2006)
S16	81	S12 NOT S13:S15
S17	27	S16 NOT (AD>1997 OR AD=1998:2006)
File 348:EUROPEAN PATENTS 1978-2006/ 200641		
(c) 2006 European Patent Office		
File 349:PCT FULLTEXT 1979-2006/UB=20061012UT=20061005		
(c) 2006 WIPO/Thomson		

FT Pat. files

17/5,K/6 (Item 6 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
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01560895

Digital recording medium and method and apparatus for controlling recording and reproduction in the digital recording medium

Digitaler Aufzeichnungsträger und Verfahren und Anordnung zur Steuerung der Aufzeichnung und der Wiedergabe im digitalen Aufzeichnungsträger

Milieu d'enregistrement numerique et methode et appareil pour le controle de l'enregistrement et de la reproduction dans le milieu d'enregistrement numerique

PATENT ASSIGNEE:

LG ELECTRONICS INC., (1914270), 20, Yoido-Dong, Youngdungpo-Gu, Seoul, (KR), (Applicant designated States: all)

INVENTOR:

Lee, Je Hyung, 35/30 Hwayang-Dong, Sungdong-ku, Seoul, (KR)

Kim, Soo Kyung, 237/188 Sinsa-Dong, Eunpyung Ku, Seoul, (KR)

Woo, Sang Joon, 391/27 Pulkwang 3-Dong, Eunpyung-Ku, Seoul, (KR)

Yang, Tae Seok, 30/12 Sungsan-Dong, Mapa-Ku, Seoul, (KR)

LEGAL REPRESENTATIVE:

Viktor, Rainer et al (91941), Vossius & Partner POB 86 07 67, 81634 München, (DE)

PATENT (CC, No, Kind, Date): EP 1298924 A2 030402 (Basic)

EP 1298924 A3 040623

APPLICATION (CC, No, Date): EP 2002026514 940413;

PRIORITY (CC, No, Date): KR 936441 930416

DESIGNATED STATES: DE; FR; GB; NL

RELATED PARENT NUMBER(S) - PN (AN):

EP 620683 (EP 94400809)

INTERNATIONAL PATENT CLASS (V7): H04N-005/92

ABSTRACT EP 1298924 A2

An apparatus for controlling recording and reproduction in a video cassette tape recorder capable of, in a recording mode, separating specific data for speed-varied reproduction from compressed digital video signals, recording them on designated tracks, recording position information of the designated tracks on a control track by an index head or recording position information of recording position-synchronized blocks at the starting portions of the designated tracks recorded with the specific data, and in a speed-varied reproduction mode, controlling a capstan servo speed so as to maintain the travel of a magnetic tape at a normal speed and periodically or non-periodically accelerate or decelerate it where specific data for varied-speed have been recorded periodically or non-periodically on predetermined portions of tracks, thereby making heads travel repeatedly at the normal speed and the high speed and thereby detect continuously the specific tracks for varied-speed. A repeatability of reproduced video at a varied speed is obtained without any deterioration in picture quality, because of recording of specific data for speed-varied reproduction and continuous detection of the specific data in the speed-varied reproduction.

ABSTRACT WORD COUNT: 180

NOTE:

Figure number on first page: 9

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 030402 A2 Published application without search report

Examination: 030402 A2 Date of request for examination: 20021127

Change: 031001 A2 Legal representative(s) changed 20030815

Change: 040519 A2 Legal representative(s) changed 20040330

Search Report: 040623 A3 Separate publication of the search report

Examination: 050706 A2 Date of dispatch of the first examination
report: 20050523

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200314	1420
SPEC A	(English)	200314	5806
Total word count - document A			7226
Total word count - document B			0
Total word count - documents A + B			7226

... CLAIMS claim 2, wherein the data generating circuit includes:
a timing signal generating circuit generating a timing control
signal; and
a multiplexer coupled to the timing signal generating circuit and
selectively outputting the detected specific data and the digital
video data based on the timing control signal.
4. The apparatus of claim 1, wherein the digital medium includes a
magnetic medium. The method of claim 17, further comprising the step
of:
generating a timing control signal; and
wherein the recording step includes,
recording the digital video data and the specific data based on
the timing control signal.
19. The method of claim 17, wherein in said recording step, the digital
medium...

17/5,K/7 (Item 7 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
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01297102

Media pipeline with multichannel video processing and playback
Medien Pipeline mit Mehrwegevideoverarbeitung und Wiedergabe
Pipeline pour signaux video permettant un traitement et une reproduction
video multicanal

PATENT ASSIGNEE:

AVID TECHNOLOGY, INC., (1306173), Avid Technology Park, One Park West,
Tewksbury, MA 01876, (US), (Proprietor designated states: all)

INVENTOR:

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Cacciato, Ray, 5 Nonset Lane, Westford, MA 01886, (US)
Zawojski, Peter, 32 Packard Drive, Merrimack, NH 03054, (US)
Peters, Eric C., 80 Carleton Road, Carlisle, MA 01741, (US)
Walsh, John Jr., 420 Wellman Avenue, North Chelmsford, MA 01863, (US)

LEGAL REPRESENTATIVE:

Kazi, Ilya et al (86111), Mathys & Squire, 100 Gray's Inn Road, London
WC1X 8AL, (GB)

PATENT (CC, No, Kind, Date): EP 1111910 A2 010627 (Basic)
EP 1111910 A3 011004
EP 1111910 B1 040929
EP 1111910 B1 040929

APPLICATION (CC, No, Date): EP 2001102495 940418;

PRIORITY (CC, No, Date): GB 9307894 930416

DESIGNATED STATES: BE; DE; FR; GB; IT; NL

RELATED PARENT NUMBER(S) - PN (AN):

EP 705517 (EP 94914827)

INTERNATIONAL PATENT CLASS (V7): H04N-005/262

CITED PATENTS (EP B): EP 480625 A; EP 599607 A; WO 91/10323 A; WO 95/26100
A; US 4698682 A

ABSTRACT EP 1111910 A2

The invention improves over the prior art by providing a media pipeline with two channels (50, 52) for processing sequences of digital still images. A blender (54) is provided so as to enable simple effects on these two streams of video data such as dissolves, wipes and chroma keys. Complex arbitrary three-dimensional effects and other effects may also be provided using an external interface. Thus, a system for processing sequences of digital still images to provide real-time digital video effects includes first (50) and second (51) channels for communicating first and second sequences of digital still images at a rate for simulating video. A controller directs still images to one of the first and second channels. A blender (54), having a first input connected to the first channel, a second input connected to the second channel, and an output, provides a combination of the first and second sequences of digital still images at a rate for simulating video.

ABSTRACT WORD COUNT: 159

NOTE:

Figure number on first page: 2

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 010627 A2 Published application without search report

Examination: 010627 A2 Date of request for examination: 20010208

Search Report: 011004 A3 Separate publication of the search report

Examination: 021023 A2 Date of dispatch of the first examination report: 20020909

Assignee: 030618 A2 Transfer of rights to new applicant: AVID TECHNOLOGY, INC. (1306173) Avid Technology

Park, One Park West Tewksbury, MA 01876 US
Change: 040922 A2 Inventor information changed: 20040805
Grant: 040929 B1 Granted patent
Change: 040922 A2 Inventor information changed: 20040805
Grant: 040929 B1 Granted patent
Lapse: 050713 B1 Date of lapse of European Patent in a
contracting state (Country, date): BE
20040929,

Oppn None: 050921 B1 No opposition filed: 20050630.

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200126	1349
CLAIMS B	(English)	200440	1187
CLAIMS B	(German)	200440	1141
CLAIMS B	(French)	200440	1313
SPEC A	(English)	200126	3730
SPEC B	(English)	200440	3758
Total word count - document A			5080
Total word count - document B			7399
Total word count - documents A + B			12479

... CLAIMS of video data to be read for the sequence;
for the selected sequence, reading the desired amount of video data
from the data file for the selected sequence in the file
system;
receiving effect parameters defining the digital video effect;
processing the...

... transition from the first sequence to the second sequence, and wherein
the method further comprises:
controlling reading of the first and second sequences from the first
and second buffers, respectively; and
generating the third sequence of digital...

17/5,K/8 (Item 8 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
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00983606

Pipeline decoding system

Pipeline-System zur Dekodierung

Système pipeline de décodage

PATENT ASSIGNEE:

Discovision Associates, (260275), 2355 Main Street, Suite 200, Irvine, CA 92614, (US), (applicant designated states:
AT;BE;CH;DE;FR;GB;IE;IT;LI;NL)

INVENTOR:

Wise, Adrian Philip, 10 Westbourne Cottages, Frenchay, Bristol BS6 1NA,
(GB)

Sotheran, Martin William, The Ridings, Wick Lane, Stinchcombe, Dursley,
Gloucestershire GL11 6BD, (GB)

Robbins, William Philip, 19 Springhill, CAM, Gloucestershire GL11 5PE,
(GB)

Finch, Helen Rosemary, Tyley, Coombe, Wotton-Under-Edge, Gloucestershire
GL12 7ND, (GB)

Boyd, Kevin James, 21 Lancashire Road, Bristol BS7 9DL, (GB)

LEGAL REPRESENTATIVE:

Vuillermoz, Bruno et al (72791), Cabinet Laurent & Charras B.P. 32 20,
rue Louis Chirpaz, 69131 Ecully Cedex, (FR)

PATENT (CC, No, Kind, Date): EP 891089 A1 990113 (Basic)

APPLICATION (CC, No, Date): EP 98202149 950228;

PRIORITY (CC, No, Date): GB 9405914 940324

DESIGNATED STATES: AT; BE; CH; DE; FR; GB; IE; IT; LI; NL

RELATED PARENT NUMBER(S) - PN (AN):

EP 674443 (EP 953013018)

INTERNATIONAL PATENT CLASS (V7): H04N-007/24; G06F-019/00; G06F-013/00;
G06F-009/38;

ABSTRACT EP 891089 A1

A pipeline processing machine having a plurality of reconfigurable processing stages interconnected by a two-wire interface bus, one of said processing stages being a spatial decoder; a second of said stages being a token generator for generating control tokens and data tokens for passage along said two-wire interface; said machine comprising :

a token decode means positioned in said spatial decoder for recognizing certain of said tokens as control tokens pertinent to said spatial decoder and for configuring said spatial decoder for spatially decoding said data tokens following said control token into a first decoded format ; and

a further one of said stages being a temporal decoder positioned downstream in said pipeline from said spatial decoder; a second token decode means positioned in said temporal decoder for recognizing certain of said tokens as control tokens pertinent to said temporal decoder and for configuring said temporal decoder for temporally decoding said data tokens following said control token into a second decoded format.

ABSTRACT WORD COUNT: 165

LEGAL STATUS (Type, Pub Date, Kind, Text):

Withdrawal: 030416 A1 Date application deemed withdrawn: 20020903

Application: 990113 A1 Published application (A1with Search Report
;A2without Search Report)

Examination: 990113 A1 Date of filing of request for examination:
980626

Examination: 990901 A1 Date of dispatch of the first examination
report: 19990713

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9902	165
SPEC A	(English)	9902	127403
Total word count - document A			127568
Total word count - document B			0
Total word count - documents A + B			127568

...SPECIFICATION the tables where appropriate.

The present invention also provides a pipeline system having an input data stream, and a processing stage for receiving the input data stream, the stage including means for recognizing specified bit stream patterns, whereby said stage facilitates random access and error recovery. In accordance with...

...codes. Hence, the invention provides a search-mode means for searching differently encoded data streams arranged as a single serial stream of data for allowing random access and enhanced error recovery...

17/5,K/9 (Item 9 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

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00864023

APPARATUS, SYSTEM AND METHOD FOR INFORMATION PROCESSING FOR DATA TRANSFER
NETWORK

INFORMATIONSV ERARBEITUNGSGERAT, -SYSTEM UND VERFAHREN FUR EIN
DATENUBERTRAGUNGSNETZWERK

SYSTEME, APPAREIL ET PROCEDE DE TRAITEMENT D'INFORMATIONS POUR RESEAU DE
TRANSFERT DE DONNEES

PATENT ASSIGNEE:

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD., (216883), 1006, Oaza-Kadoma,
Kadoma-shi, Osaka 571-8501, (JP), (Proprietor designated states: all)

INVENTOR:

IKEDA, Toshihiro, Cl-305, 3-1, Shinsenrinishimachi, Toyonaka-shi, Osaka
565, (JP)

LEGAL REPRESENTATIVE:

Eisenfuhr, Gunther, Dipl.-Ing. (3301), Eisenfuhr, Speiser & Partner
Patentanwalte Rechtsanwalte Postfach 10 60 78, 28060 Bremen, (DE)

PATENT (CC, No, Kind, Date): EP 808064 A1 971119 (Basic)

EP 808064 B1 040303

WO 1997021308 970612

APPLICATION (CC, No, Date): EP 96939332 961129; WO 96JP3513 961129

PRIORITY (CC, No, Date): JP 95313962 951201

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS (V7): H04N-007/173; H04N-005/781

CITED PATENTS (EP B): WO 95/26095 A; WO 95/26103 A; JP 5041858 A; JP
6261319 A; JP 7123398 A; US 4897714 A; US 5051822 A; US 5371532 A

CITED REFERENCES (EP B):

PATENT ABSTRACTS OF JAPAN vol. 1996, no. 02, 29 February 1996
(1996-02-29) & JP 07 284084 A (MATSUSHITA ELECTRIC IND CO LTD), 27
October 1995 (1995-10-27);

ABSTRACT EP 808064 A1

Digital data of a plurality of video/audio softs is stored in a plurality of random-accessible large capacity storage device (9) and a control device (8) designates the reading of the video/audio softs and a vacant channel number to decoder devices (6, 7) of a multi-channel output, so that the designated video/audio softs are intermittently read out by time division from the large capacity storage devices (9) every predetermined blocks by the decoder devices (6, 7) to be temporarily stored and thereafter decoded and outputted from the designated number channels, and thus, any soft can be supplied to the terminal devices at any supply starting time, irrespective of whether the requested softs are the same or different, so long as the number of the output channels of the data processing device is within the permissible range, and the softs can be supplied to a number of terminal devices of which the number is beyond the number of the prepared softs, and even when the requests are concentrated to a specific soft, the access of the soft can be performed in a short time without increasing the waiting time, and it may be sufficient to merely prepare a small capacity memory in the decoder devices, so that the cost of the decoder devices can be reduced.

ABSTRACT WORD COUNT: 215

NOTE:

Figure number on first page: 1

LEGAL STATUS (Type, Pub Date, Kind, Text):

Search Report: 000823 A1 Date of drawing up and dispatch of
supplementary:search report 20000712

Application: 970910 A1 International application (Art. 158(1))

Oppn None: 050223 B1 No opposition filed: 20041206
Change: 030917 A1 Title of invention (French) changed: 20030731
Change: 030917 A1 Title of invention (English) changed: 20030731
Change: 030917 A1 Title of invention (German) changed: 20030731
Examination: 021113 A1 Date of dispatch of the first examination report: 20021001
Change: 030813 A1 Title of invention (German) changed: 20030620
Change: 030813 A1 Title of invention (English) changed: 20030620
Change: 030813 A1 Title of invention (French) changed: 20030620
Grant: 040303 B1 Granted patent
Application: 971119 A1 Published application (A1with Search Report ;A2without Search Report)
Examination: 971119 A1 Date of filing of request for examination: 970730

LANGUAGE (Publication,Procedural,Application): English; English; Japanese
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	199711W2	1864
CLAIMS B	(English)	200410	1965
CLAIMS B	(German)	200410	1622
CLAIMS B	(French)	200410	2342
SPEC A	(English)	199711W2	10581
SPEC B	(English)	200410	10608
Total word count - document A			12448
Total word count - document B			16537
Total word count - documents A + B			28985

... CLAIMS reproduction of any one data of said plural video/audio data from an external, and designating reproduction of a data file of one video /audio data corresponding to said request of reproduction-designation to said large capacity storage means...

... allocated channel numbers transferred from control means (8) to decoder means (6, 7) via a second connection means for control communication; confirming whether or not there exists a vacant channel based on the management information...

17/5,K/11 (Item 11 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
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00830886

Aparatus for detecting a direction in which a marker is moved through a portal

Vorrichtung fur das Ermitteln einer Richtung, in der ein Identifizierungsetikett durch ein Portal bewegt wird
dispositif pour detecter une direction dans laquelle un marqueur est deplace en traversant un portique

PATENT ASSIGNEE:

Sensormatic Electronics Corporation, (882795), 6600 Congress Avenue, Boca Raton, Florida 33487, (US), (Proprietor designated states: all)

INVENTOR:

GHAFFARI, Touraj, 3432 Pine Haven Circle, Boca Raton, FL 33431, (US)

CANIPE, Larry, 3342 N.W. 28th Terrace, Boca Raton, FL 33434, (US)

LEGAL REPRESENTATIVE:

Hafner, Dieter et al (52276), Hafner & Partner GbR Patent-/Rechtsanwalte Schleiermacherstrasse 25, 90491 Nurnberg, (DE)

PATENT (CC, No, Kind, Date): EP 834164 A1 980408 (Basic)

EP 834164 B1 050824

WO 1997000503 970103

APPLICATION (CC, No, Date): EP 96919303 960607; WO 96US9825 960607

PRIORITY (CC, No, Date): US 437946 950619

DESIGNATED STATES: DE; FR; GB; SE

INTERNATIONAL PATENT CLASS (V7): G08B-013/14

CITED PATENTS (EP B): US 3745450 A; US 4272762 A; US 4303910 A; US 4471345 A; US 4489313 A; US 4639716 A; US 4798175 A; US 5124699 A

ABSTRACT WORD COUNT: 18878

NOTE:

No A-document published by EPO

LEGAL STATUS (Type, Pub Date, Kind, Text):

Search Report: 000705 A1 Date of drawing up and dispatch of supplementary:search report 20000519
Application: 970423 A1 International application (Art. 158(1))
Change: 060802 B1 Title of invention (French) changed: 20060802
Change: 060802 B1 Title of invention (English) changed: 20060802
Change: 060802 B1 Title of invention (German) changed: 20060802
Grant: 050824 B1 Granted patent
Change: 050316 A1 Title of invention (French) changed: 20050127
Assignee: 040107 A1 Transfer of rights to new applicant:
Sensormatic Electronics Corporation (882795)
6600 Congress Avenue Boca Raton, Florida 33487
US
Examination: 040107 A1 Date of dispatch of the first examination report: 20031121
Change: 041222 A1 Title of invention (German) changed: 20041103
Change: 041222 A1 Title of invention (English) changed: 20041103
Change: 041222 A1 Title of invention (French) changed: 20041103
Change: 050706 A1 Legal representative(s) changed 20050520
Application: 980408 A1 Published application (A1with Search Report ;A2without Search Report)
Examination: 980408 A1 Date of filing of request for examination: 971203

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200534	1221
CLAIMS B	(German)	200534	1134
CLAIMS B	(French)	200534	1347

SPEC B	(English)	200534.	16892
Total word count - document A			0
Total word count - document B			20594
Total word count - documents A + B			20594

...SPECIFICATION through the portal at which the portal antennas 52 are installed. The information in the database may also indicate identification codes representative of individuals authorized to move the markers and associated objects through the portal.

Preferably, the control module 60 is arranged to exchange data with several other readers like reader 56, which are respectively connected to antenna installations at other portals...

...controls the camera 62 and VCR 64 to generate and store a video image of events occurring at the portal. The signal generated by the camera 62 may be displayed on a...

17/5,K/13 (Item 13 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

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00599193

Method and apparatus for providing enhanced graphics in a virtual world.
Verfahren und Gerät zum Erzeugen von verbesserte Graphiken in einer
virtuellen Welt.

Methode et appareil pour fournir des graphiques ameliores dans un monde
virtuel.

PATENT ASSIGNEE:

THE WALT DISNEY COMPANY, (632555), 1313 Harbor Boulevard, Anaheim,
California 92803, (US), (applicant designated states:
AT;BE;CH;DE;DK;ES;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)

INVENTOR:

Redmann, William G., 3152 Dalhart Avenue, Simi Valley, California 93063,
(US)

Watson, Scott F., 1971 Eden Avenue, Glendale, California 91206, (US)

LEGAL REPRESENTATIVE:

LLOYD, Patrick Alexander Desmond (60081), Reddie & Grose 16 Theobalds
Road, London WC1X 8PL, (GB)

PATENT (CC, No, Kind, Date): EP 583061 A2 940216 (Basic)
EP 583061 A3 940406

APPLICATION (CC, No, Date): EP 93305259 930705;

PRIORITY (CC, No, Date): US 911821 920710

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC;
NL; PT; SE

INTERNATIONAL PATENT CLASS (V7): G06F-015/72;

CITED REFERENCES (EP A):

IEEE COMPUTER GRAPHICS AND APPLICATIONS. vol. 7, no. 4 , April 1987 , NEW
YORK US pages 11 - 22 XP3956 WILHELM 'TOWARD AUTOMATIC MOTION CONTROL'
HYPertext/Hypermedia '91 27 May 1991 , BERLIN pages 1 - 17
MAGNETAT-THALMANN 'MULTIMEDIA, VIRTUAL REALITY AND COMPUTER ANIMATION'
MULTIMEDIA REVIEW vol. 2, no. 2 , 1991 , NEW-YORK US pages 28 - 33
PIMENTEL 'TEXTURING REALITY';

ABSTRACT EP 583061 A2

Method and systems are provided for rendering and displaying in a real
time 3-D computer graphic system a sequence of images of a subject using
a plurality of time-sequenced textures such that at least a portion of
the subject appears animated. The time-sequenced textures are derived
from sources such as digitized frames or fields captured from a video
recording of a live actor who may be engaged in a scripted performance,
or a digitally-recorded cartoon animation sequence, and can be mapped in
different ways to different types of surface geometries to achieve
animation. (see image in original document)

ABSTRACT WORD COUNT: 100

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 940216 A2 Published application (A1with Search Report
;A2without Search Report)

Search Report: 940406 A3 Separate publication of the European or
International search report

Withdrawal: 950628 A2 Date on which the European patent application
was deemed to be withdrawn: 941007

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF2	9464
SPEC A	(English)	EPABF2	11801
Total word count - document A			21265

Total word count - document B 0
Total word count - documents A + B 21265

...SPECIFICATION main memory. The command identifies the beginning address of each file in the run-time database comprising the desired animation sequence. This information is provided to scenario process(or) block 106 when, as part of the process of loading run-time database 110, rendering control process(or) block 104 emits the file references and location data for all texture files...

17/5,K/15 (Item 15 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
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00467937

Animation image composition and display device.
Gerat zur Komposition und Anzeige eines beweglichen Bildes.
Appareil de composition et d'affichage d'une image animee.

PATENT ASSIGNEE:

RICOS CO., LTD., (1399800), 1-1-805, Miyakojima, Minamidori 2-chome,
Miyakojima-ku, Osaka, (JP), (applicant designated states:
DE;FR;GB;IT;NL)

INVENTOR:

Tsumura, Mihoji, 1-1-805, Miyakojima Minamidori 2-chome, Miyakojima-ku,
Osaka, (JP)
Taniguchi, Shinnosuke, 6-24, Higashinakamoto 2-chome, Higashinari-ku,
Osaka, (JP)

LEGAL REPRESENTATIVE:

Hering, Hartmut, Dipl.-Ing. (5323), Patentanwalte Berendt, Leyh & Hering
Innere Wiener Strasse 20, D-81667 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 473043 A2 920304 (Basic)
EP 473043 A3 930324
EP 473043 B1 951102

APPLICATION (CC, No, Date): EP 91113914 910820;

PRIORITY (CC, No, Date): JP 90220468 900821

DESIGNATED STATES: DE; FR; GB; IT; NL

INTERNATIONAL PATENT CLASS (V7): G06T-015/70;

CITED PATENTS (EP A): US 4913539 A; EP 303700 A

ABSTRACT EP 473043 A2

An animation image composition and display device is used for the display of still animation images in sequence on a display in time with the reproduction of music by a digital sound source (1) driven by MIDI signals. The device reads a series of specified or optional animation images from an image database (6), which holds many animation images, and transmits them in accordance with tempo data which forms part of the MIDI data. The device also uses pitch data to determine the color of the animation images to be displayed. The device composes the still images and the specified colors and displays them on a visual display medium (8). (see image in original document)

ABSTRACT WORD COUNT: 117

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 920304 A2 Published application (A1with Search Report
;A2without Search Report)

Search Report: 930324 A3 Separate publication of the European or
International search report

Examination: 931103 A2 Date of filing of request for examination:
930908

Examination: 950201 A2 Date of despatch of first examination report:
941220

Grant: 951102 B1 Granted patent

Oppn None: 961023 B1 No opposition filed

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	403
CLAIMS B	(English)	EPAB95	402
CLAIMS B	(German)	EPAB95	371
CLAIMS B	(French)	EPAB95	435
SPEC A	(English)	EPABF1	2859

SPEC B	(English)	EPAB95	2926
Total word count - document A			3262
Total word count - document B			4134
Total word count - documents A + B			7396

...SPECIFICATION composer 5 in the next block in respect of foreground color, background color and display timing . The image composition controller 4 also determines the appropriate sequence of animation images to be read out of the...

...the image related data determined by the image composition controller 4 out of the image database 6 and, after composing the animation image in accordance with the specified display and background colors, transmits it to the image display unit 7 in accordance with...

...part which determines the selection of one type of animation image from the plurality of animation image types stored in the image database 6. The selection of a specified animation image is accomplished by the output of a signal d to the display image selector...

...first of the series of display timing signals c which are output from the display timing calculator 41. A control signal f is

...SPECIFICATION composer 5 in the next block in respect of foreground color, background color and display timing . The image composition controller 4 also determines the appropriate sequence of animation images to be read out of the...

...the image related data determined by the image composition controller 4 out of the image database 6 and, after composing the animation image in accordance with the specified display and background colors, transmits it to the image display unit 7 in accordance with...part which determines the selection of one type of animation image from the plurality of animation image types stored in the image database 6. The selection of a specified animation image is accomplished by the output of a signal d to the display image selector...

...first of the series of display timing signals c which are output from the display timing calculator 41. A control signal f is then output to control the database. The adoption of this method eliminates...

...CLAIMS said MIDI data and which outputs said pitch data in sequence, and an image composition controller (4) comprising a display timing calculator (41), which outputs trigger signals in accordance with the timing of the aforementioned pulses...

...order to determine the foreground and background colors, and a display image selector (43), which selects one or more items of animation data from an image database (6) in which are stored a plurality of sets of animation images in data form...

...CLAIMS MIDI data and which outputs said pitch data (b) in sequence, and an image composition controller (4) comprising a display timing calculator (41), which outputs trigger signals (c) in accordance with the timing of the aforementioned...

...to determine (e) the foreground and background colors, and a display image selector (43), which selects (f) one or more animation image data from an image database (6) in which are stored a plurality of sets of animation images in data form...

17/5, K/25 (Item 9 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00341704 **Image available**

SPATIAL REFERENCED PHOTOGRAPHY

PHOTOGRAPHIE REFEREEE DANS L'ESPACE

Patent Applicant/Assignee:

TRANSCENIC INC,

VINCENT Robert S,

Inventor(s):

VINCENT Robert S,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9624216 A1 19960808

Application: WO 96US1434 19960131 (PCT/WO US9601434)

Priority Application: US 95383471 19950131

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

BR US AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE

Main International Patent Class (v7): H04N-005/33

International Patent Class (v7): H04N-05:76

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 25911

English Abstract

An image system which captures, along with the images, information defining both the position and the orientation of the camera along with the distance to the subject. A video camera (120) is attached to three accelerometers (435, 440, 445), two gyroscopes (400, 410), and a rangefinder (480). Data gathered from these devices and defining the pitch, yaw, and roll of the camera, the camera's acceleration, and the distance to the subject is captured and recorded along with video images. The video images are later stored within a computer's data base (185) along with data defining the position and orientation of the camera and the distance to the subject for each image, this later data being computed from the captured data. The images may then be presented to the user in a three-dimensional display in which the user can navigate through the images using a joystick device or mouse, with the images located in positions corresponding to the positions in space of the objects that were imaged. Overlays on images displayed in the form of boxes and arrows pointing left and right may be clicked on to facilitate forward movement and rotational movement through the assorted images, with automatic image selection.

French Abstract

Un systeme d'images saisit, en meme temps que les images, des informations definissant a la fois la position et l'orientation de la camera ainsi que la distance au sujet. Une camera video (120) est fixee a trois accelerometres (435, 440, 445), deux gyroscopes (400, 410) et un telemetre (480). Les donnees recueillies a l'aide de ces dispositifs et definissant le triedre de reference de la camera, l'acceleration de la camera ainsi que la distance au sujet sont saisies et enregistrees ensemble avec les images video. Les images video sont ensuite stockees dans la base de donnees (185) de l'ordinateur ainsi que les donnees definissant la position et l'orientation de la camera et la distance au sujet pour chaque image, ces dernieres donnees etant calculees a partir des donnees saisies. Les images peuvent alors etre presentees a

l'utilisateur dans un affichage tridimensionnel dans lequel l'utilisateur peut naviguer à travers les images en utilisant un dispositif de type manche à balai ou une souris, les images se trouvant dans des positions correspondant aux positions dans l'espace des objets qui ont été mis en image. Des recouvrements sur des images affichées sous la forme de cases ou de flèches pointant vers la gauche et vers la droite peuvent être cliqués pour faciliter un mouvement vers l'avant et un mouvement de rotation des images triées avec sélection automatique des images.

Fulltext Availability:

Detailed Description

Detailed Description

... an existing image capture computer program is adapted for use to capture, compress, and store selected images in the video database 323, as indicated in steps 680, 685, 690, 695, and 700 of FIG. 7. This is a conventional second, passing to this separate program the index value into the video database 323 that can later be used to find...

17/5,K/26 (Item 10 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT
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00327211 **Image available**

SYSTEM AND METHOD FOR GENERATING AN INFORMATION DISPLAY SCHEDULE FOR AN ELECTRONIC PROGRAM GUIDE

SYSTEME ET PROCEDE DE CREATION D'UN PROGRAMME D'AFFICHAGE D'INFORMATIONS POUR UN GUIDE DE PROGRAMMATION ELECTRONIQUE

Patent Applicant/Assignee:

TV GUIDE ON SCREEN,

Inventor(s):

DAVIS Bruce,

GUTMAN James,

HEYDT Michael,

MILLER Larry,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9609721 A1 19960328

Application: WO 95US12100 19950922 (PCT/WO US9512100)

Priority Application: US 94311475 19940923

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AU BR CA JP MX SG AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE

Main International Patent Class (v7): H04N-007/025

International Patent Class (v7): H04N-07:08

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 16485

English Abstract

An electronic program schedule system which includes a receiver for receiving television program schedule information and promotional information transmitted via satellite, a digital playback system for storing the schedule and promotional information and formatting pages of said information, and a cable television channel modulator for modulating the pages of information onto a cable television system. A data processor in the playback system receives and stores in a memory television program schedule information for a plurality of television programs to appear on the plurality of television channels. A television receiver is used to display the television program schedule and promotional information by tuning the receiver or cable converter box to the designated channel upon which the signals are modulated. A multimedia generator receives control commands from the data processor and program schedule information from the memory and displays a portion of the program schedule information in either full screen grid format or partial screen grid format together with promotional information, as controlled by a schedule for display of the promotional information resident in the data processor. The data processor controls the multimedia generator with control commands, issued in response to a computer program resident on the data processor, to display program schedule information and promotional information.

French Abstract

Systeme de programmation electronique comprenant un recepteur pour la reception d'informations de programmation de television et d'informations publicitaires transmises par satellite, un systeme de lecture numerique servant a stocker les informations de programmation et les informations publicitaires, et a structurer les pages desdites informations, et un modulateur de canal de television par cable destine a moduler les pages

d'informations pour les adapter a un reseau de television par cable. Une unite de traitement de donnees prevue dans le systeme de lecture recoit et stocke en memoire les informations de programmation pour plusieurs emissions de television devant apparaitre sur les differents canaux de television. Un televiseur est utilise pour afficher les informations de programmation et les informations publicitaires par commutation du televiseur ou du boitier de convertisseur de canaux sur le canal choisi correspondant aux signaux modules. Un generateur multimedia recoit des instructions de commande en provenance de l'unite de traitement de donnees, et des informations de programmation en provenance de la memoire, et affiche une partie des informations de programmation soit en format grille-ecran entier soit en format grille-ecran partiel, et ce conjointement avec les informations publicitaires, et en fonction d'un programme d'affichage d'informations publicitaires residant dans l'unite de traitement de donnees. L'unite de traitement de donnees commande le generateur multimedia au moyen d'instructions de commande emises en reponse a un programme informatique residant dans ladite unite de traitement de donnees, afin d'afficher les informations de programmation et les informations publicitaires.

Fulltext Availability:

Detailed Description

Detailed Description

... is ordered according to the possible periods during which it may be played. For each **clip**, the database includes an **indication** of the **program** type, **clip** type, the **time periods** when the clip may be shown, and also possibly the **scheduled air times** of the **program** being promoted. Including the **scheduled air times** of the programs being promoted facilitates use of the proximity and time weighting factors. The content/time and forcing factors may be used to **indicate** in the **database** records for appropriate **clips** time periods when the clips should not be aired and time periods when they must...

Set Items Description
 S1 1093049 DATABASE OR DATABANK OR DATA() (BASE? OR BANK? OR FILE? OR -
 REPOSITOR? OR WAREHOUSE?) OR DB OR RDB OR OODB OR ODBC OR DBMS
 S2 11280 S1(7N) (AUDIOVISUAL? OR MULTIMEDIA? OR MULTI() MEDIA? OR PHO-
 TO? ? OR PHOTOGRAPH? OR CLIP? ? OR SCENE? ?)
 S3 10126 S1(7N) (AVI OR WAV OR VIDEO? OR MOVIE? OR FILM? OR ANIMATIO-
 N? ? OR (DIGITAL? OR SERIES) (3N) (IMAGE? ? OR PICTURE? ?))
 S4 567 S2:S3(5N) (SELECT? OR PICK??? OR CHOOSEN? OR CHOSEN OR IDENTI-
 FY? OR IDENTIFI? ? OR SPECIF? OR DESIGNAT? OR INDICAT? OR DE-
 SIR????)
 S5 60 S4 (7N) (DYNAMIC? OR AUTOMATIC? OR SMART? OR PERPETUAL? OR I-
 NTUIT? OR SELF OR SELF() DIRECT? OR INTELLIGENT?)
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 OGRAM? OR MAINTAIN? OR PLAN??? ? OR PRIORIT?
 S7 1146556 S6 (5N) (TIME? ? OR TIMELINE? ? OR TIMING OR TEMPORAL? OR CL-
 OCK? OR DURATION? OR EVENT? OR SCHEDUL? OR OCCASION? OR DAY? ?
 OR HOUR? ? OR MINUTE? ? OR SECOND? ? OR PERIOD?)
 S8 106034 S7 (3N) (USED OR USING OR UTILIZ? OR UTILIS? OR APPLY? OR AP-
 PLIE? ? OR EMPLOY? OR EXECUT? OR PERFORM? OR ACTIVAT? OR IMPL-
 EMENT?)
 S9 7 S5 AND S8
 S10 29 S4 AND S7
 S11 10 S5 AND S7
 S12 29 S9:S11
 S13 16 S12 NOT (PY>1997 OR PY=1998:2006)
 S14 10 RD (unique items)
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14/7/1 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

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06932700 INSPEC Abstract Number: C9807-6130M-027

Title: Hypermedia navigation support by fuzzy logic and neural networks

Author(s): Bodendorf, F.; Langer, K.

Author Affiliation: Dept. of Inf. Syst., Erlangen-Nurnberg Univ., Germany

Conference Title: 1997 IEEE International Conference on Intelligent

Processing Systems (Cat. No.97TH8335) Part vol.1 p.180-4 vol.1

Publisher: IEEE, New York, NY, USA

Publication Date: 1997 Country of Publication: USA 2 vol. xxviii+1893 pp.

ISBN: 0 7803 4253 4 Material Identity Number: XX98-00909

U.S. Copyright Clearance Center Code: 0 7803 4253 4/97/\$10.00

Conference Title: 1997 IEEE International Conference on Intelligent Processing Systems

Conference Sponsor: IEEE Ind. Electron. Soc.; Tsinghua Univ., China;

Northwestern Polytech. Univ., China; Int. Technol. & Econ. Inst., State

Council of China; Chinese Assoc. Autom.; Nat. Natural Sci. Found. China;

Japanese Soc. Instrum. & Control Eng.; Japan Soc. Fuzzy Theory & Syst.;

Beijing Assoc. Sci. & Technol. Exchange with Foreign Countries; IEEE

Control Soc. Beijing Chapter

Conference Date: 28-31 Oct. 1997 Conference Location: Beijing, China

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: A system architecture for hypermedia applications is introduced

that includes fuzzy logic and artificial neural networks (ANNs) for

dynamically creating user-specific paths through a database of

multimedia objects. A semantic data model is involved to describe the

objects' characteristics. Fuzzy rules represent pedagogical knowledge

whereas ANNs represent experiences and decisions of former users.

During a session, the fuzzy rules and ANNs are used by a run-time controller

in order to retrieve objects, which are appropriate candidates for

continuing the way in the hypermedia network. This framework for navigation

in hypermedia databases aims at increasing flexibility to adapt to each

user's preferences, motivation and experiences. (10 Refs)

Subfile: C

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14/7/4 (Item 4 from file: 2)

DIALOG(R)File 2:INSPEC

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06392618 INSPEC Abstract Number: C9611-6160S-028

Title: Modeling of video spatial relationships in an object database management system

Author(s): Li, J.Z.; Ozsu, T.; Szafron, D.

Author Affiliation: Dept. of Comput. Sci., Alberta Univ., Edmonton, Alta., Canada

Conference Title: Proceedings. International Workshop on Multi-Media

Database Management Systems (Cat. No.96TB100064) p.124-32

Publisher: IEEE Comput. Soc. Press, Los Alamitos, CA, USA

Publication Date: 1996 Country of Publication: USA ix+178 pp.

ISBN: 0 8186 7469 5 Material Identity Number: XX96-02428

U.S. Copyright Clearance Center Code: 0 8186 7469 5/96/\$05.00

Conference Title: Proceedings of International Workshop on Multimedia

Database Management Systems

Conference Sponsor: New York State Center for Adv. Technol. Comput.

Applications & Software Eng. (CASE) at Syracuse Univ.; IEEE Comput. Soc.;

IEEE Comput. Soc. Tech. Committee on Multimedia Comput.; IEEE SIG

Multimedia; ACM SIG Multimedia; ACM SIGMOD

Conference Date: 14-16 Aug. 1996 Conference Location: Blue Mountain

Lake, NY, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: A key aspect in video modeling is spatial relationships. We propose a spatial representation for specifying the spatial semantics of

video data. Based on such a representation, a set of spatial relationships for salient objects is defined to support qualitative and quantitative spatial properties. The model captures both topological and directional spatial relationships. We present a novel way of incorporating this model into a video model, and integrating the abstract video model

into an object database management system which has rich multimedia

temporal operations. The integrated model is further enhanced by a

spatial inference engine. The powerful expressiveness of our video model is

validated by some query examples. (21 Refs)

Subfile: C

Copyright 1996, IEE

14/7/5 (Item 5 from file: 2)

DIALOG(R)File 2:INSPEC

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05777787 INSPEC Abstract Number: C9411-6160S-014

Title: Design and specification of EVA: a language for
multimedia
database systems

Author(s): Dimitrova, N.; Golshani, F.

Author Affiliation: Dept. of Comput. Sci. & Eng., Arizona State
Univ.,
Tempe, AZ, USA

p.356-62

Editor(s): Tjoa, A.M.; Ramos, I.

Publisher: Springer-Verlag, Wien, Austria

Publication Date: 1992 Country of Publication: Austria xii+546
pp.

ISBN: 3 211 82400 6

Conference Title: Proceedings of DEXA '92. International
Conference on

Database and Expert Systems Applications

Conference Date: 2-4 Sept. 1992 Conference Location: Valencia,
Spain

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: We present EVA-a language that deals with the temporal
and
spatial aspect of multimedia information retrieval and delivery,
in
addition to providing the usual capabilities of the ordinary
database
languages. EVA is an extension of the query language Varqa and provides
the
following capabilities for management and retrieval of
multimedia
information: query operators, update operators, computational
operators,
screen management operators, and temporal operators. EVA
is a
functional language whose notation is based on that of conventional
set
theory. It is formally defined using the mathematical framework of
many
sorted algebra. EVA is object oriented and supports objects,
object
classes, and relationships between objects (in the form of functions).
The
current implementation of EVA deals with textual data, images,
and
conventional data. (12 Refs)

Subfile: C

14/7/6 (Item 6 from file: 2)

DIALOG(R)File 2:INSPEC

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05730341 INSPEC Abstract Number: C9409-6160D-022

Title: Conceptual data models for time-dependent multimedia data

Author(s): Little, T.D.C.; Ghafoor, A.; Chen, C.Y.R.

Author Affiliation: Dept. of Electr. Comput. & Syst. Eng., Boston Univ., MA, USA

p.86-110

Publisher: Arizona State Univ, Tempe, AZ, USA

Publication Date: 1992 Country of Publication: USA 188 pp.

Conference Title: Proceedings of Workshop on Multimedia Information Systems

Conference Sponsor: Arizona State Univ.; Syracuse Univ.; Univ. Kentucky

Conference Date: 7 Feb. 1992 Conference Location: Tempe, AZ, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: We present new results towards managing the temporal component of multimedia data in a database management system.

Specifically, we introduce and define n-ary and reverse temporal relations, which permit forward, reverse, or partial-interval evaluation

during multimedia object playout. These relations are defined in a manner

ensuring a property of monotonically increasing playout deadlines to

facilitate coarse-grain timing via process synchronization or fine-grain timing via real-time scheduling approaches. Furthermore, we show the

construction of conceptual database schemata using the new temporal models

and provide examples using a relational data model. (20 Refs)

Subfile: C

14/7/7 (Item 1 from file: 6)

DIALOG(R)File 6:NTIS

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0574951 NTIS Accession Number: AD-878 463/9/XAB

Optical Target Detection

(Final technical rept. 6 Mar 69-30 Jun 70)

Thomasson, J. T. ; Curry, D. J.

Litton Systems Inc van Nuys Calif Data Systems Div

Corp. Source Codes: 209390

Report No.: DS-69-4711; RADC-TR-70-256

Nov 70 141p

Journal Announcement: GRAI7624

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The relative performance of various types of holographic filters

including 'matched' and 'inverse' filters are studied beginning with the

optimizing of parameters connected with the generation of holographic

filters- film handling, optical component configuration, data base

selection . Filter performance is evaluated by recognizing real targets on

reconnaissance imagery. A 'detectability' measure for filter performance is

defined and used to test the filters. The theory of operation and basic

design of the unit is presented. The decision unit is under real-time

control of a DDP-516 computer. The program listings are also included.

Film processing techniques to produce filters using an extended linear

range in the amplitude transmission vs. exposure curve are outlined.

Film

bleaching methods including nitric acid 'reversal' are detailed and

evaluated. Data are presented to compare the 'detectability' performance of

matched (standard and reversed) and inverse filters. (Author)

14/7/8 (Item 1 from file: 8)

DIALOG(R)File 8:Ei Compendex(R)
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04514712 E.I. No: EIP96093347921

Title: Management of multimedia scenarios in an object-oriented
database
system

Author: Djeraba, Chabane; Hadouda, Karima; Briand, Henri

Corporate Source: Nantes Univ, Nantes, Fr

Conference Title: Proceedings of the 1996 International
Workshop on

Multi-Media Database Management Systems

Conference Location: Blue Mountain Lake, NY, USA Conference
Date:

19960814-19960816

Sponsor: IEEE

E.I. Conference No.: 45350

Source: Proceedings of the International Workshop on Multi-Media
Database

Management Systems 1996. IEEE, Los Alamitos, CA, USA. p 64-71

Publication Year: 1996

CODEN: 002148

Language: English

Document Type: CA; (Conference Article). Treatment: T; (Theoretical)

Journal Announcement: 9611W4

Abstract: In this paper, we present an approach to multimedia
scenario

management in a database system that considers: object-oriented
concepts

for multimedia and scenario modeling; both known and unknown multimedia
object playing duration; temporal specification language; Petri net
automatic generation based on temporal specifications; automatic
detection

of user temporal specification errors and contradictions; and finally
user

interactions based on composite Petri net features. (Author abstract)

20

Refs.

14/7/9 (Item 1 from file: 35)
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01493589 ORDER NO: AADAA-IMM04947
DESIGN AND IMPLEMENTATION OF A PERSISTENT MULTIMEDIA OBJECT-ORIENTED STORAGE SYSTEM

Author: LI, JIE
Degree: M.A.SC.
Year: 1995
Corporate Source/Institution: UNIVERSITY OF OTTAWA (CANADA) (0918)
Adviser: AHMED KARMOUCH
Source: VOLUME 34/04 of MASTERS ABSTRACTS.
PAGE 1651. 132 PAGES
ISBN: 0-612-04947-7

Multimedia information requires novel database architecture and models for its efficient storage, manipulation, retrieval, and playback. Multimedia database systems must provide facilities to model complex objects, manage the **temporal** relationships among different media and guarantee the synchronization as well as the continuity requirements during retrieval.

In this thesis, we investigate the object-oriented **database** concepts and their ability to support **multimedia** applications and more **specifically** the support of real time audio/video media. A number of multimedia characteristics and requirements are analyzed and identified. Motivated by the challenge to meet the requirements, a Persistent Multimedia Object-oriented Storage System called MEDIASTORE is designed and implemented using an object-oriented database model for the management of multimedia document. A multimedia document architecture is used by MEDIASTORE to describe and model complex objects such as audio, video, image, and text. The temporal and spatial relationships between objects are also described in the document. A synchronized retrieval algorithm for playback of multimedia document is presented. The algorithm pays great attention to various unique synchronization requirements in retrieval and playback of multimedia documents. As part of an advanced multimedia OODBMS,

MEDIASTORE is rich in features for the storage and manipulation of document. Amongst the features is its Graphical User Interface (GUI). The design and implementation of the GUI for MEDIASTORE is presented.

Given the ever evolving nature of multimedia requirements and the time limit on this work, MEDIASTORE is far from perfect. Future trends and work are also presented.

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S3	25925	S1(7N) (AVI OR WAV OR VIDEO? OR MOVIE? OR FILM? OR ANIMATIO- N? ? OR (DIGITAL? OR SERIES) (3N) (IMAGE? ? OR PICTURE? ?))
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